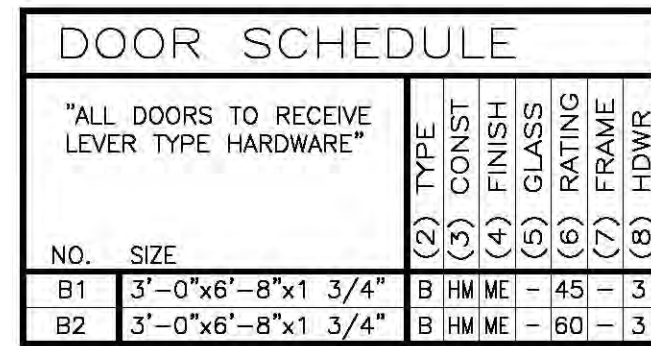
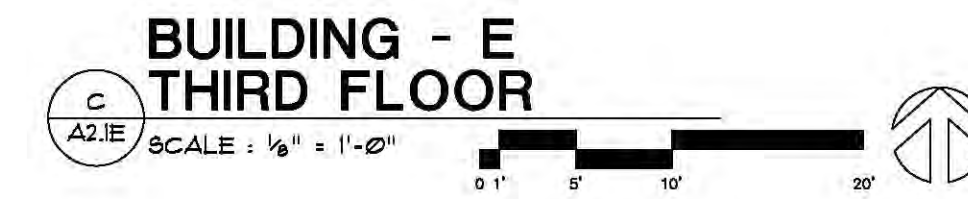
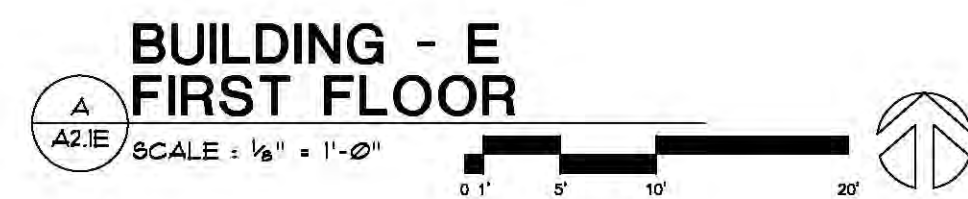


FIRE-RESISTIVE CONSTRUCTION LEGEND	
	ONE HOUR RATED OR UNRATED WALL, PER APPLICATIONS NOTED BELOW AND IN WALL TYPE NOTES
	ONE-HR FIRE PARTITION FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE, CONTINUOUS THROUGH CONCEALED SPACES.
	TWO-HR FIRE BARRIER FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE, CONTINUOUS THROUGH CONCEALED SPACES.
NOTES:	
1	ALL BEARING WALLS, FLOOR, AND ROOF CONSTRUCTION ARE 1 HR FIRE-RESISTIVE CONSTRUCTION, PER CONSTRUCTION TYPE VA, EXCEPT AS NOTED OTHERWISE BELOW. ALL NON-BEARING PARTITIONS MAY BE UNRATED, EXCEPT AS NOTED OTHERWISE.
2	ALL DUELLING PARKING WALLS AND WIND CORRIDOR WALLS ARE CONSTRUCTED AS 1 HR FIRE PARTITIONS.
3	ALL NON-BEARING WALLS ARE 2X4 EXCEPT AS REQUIRED FOR PLUMBING, MECHANICAL, OR UNO. KEEP FRAMING FLUSH WITHIN A ROOM - NO JOGG ACCEPTED.



1731 N. STREET SE
SUITE 200
ALBUQUERQUE, NM 87102
505 363-1058

RONALD
JAMES
PED
ARCHITECT P.C.



DATE: 16 FEB. 2017
DRAWN:
JOB NO. 1665
A2.1E

A2.1E

FIRE-RESISTIVE CONSTRUCTION LEGEND	
	ONE HOUR RATED OR UNRATED WALL, PER APPLICATIONS NOTED BELOW AND IN WALL TYPE NOTES
	ONE-HR FIRE PARTITION FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE, CONTINUOUS THROUGH CONCEALED SPACES.
	TWO-HR FIRE BARRIER FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE, CONTINUOUS THROUGH CONCEALED SPACES.
NOTES:	
1	ALL BEARING WALLS, FLOOR, AND ROOF CONSTRUCTION ARE 1 HR FIRE-RESISTIVE CONSTRUCTION, PER CONSTRUCTION TYPE VA, EXCEPT AS NOTED OTHERWISE BELOW. ALL NON-BEARING PARTITIONS MAY BE UNRATED, EXCEPT AS NOTED OTHERWISE.
2	ALL DUELLING DECK WALLS AND WIND CORRIDOR WALLS ARE CONSTRUCTED AS 1 HR FIRE PARTITIONS.
3	ALL NON-BEARING WALLS ARE 2X4 EXCEPT AS REQUIRED FOR PLUMBING, MECHANICAL, OR UNO. KEEP FRAMING FLUSH WITHIN A ROOM - NO JOGG ACCEPTED.



DOOR SCHEDULE								
"ALL DOORS TO RECEIVE LEVER TYPE HARDWARE"		2	3	4	5	6	7	8
NO.	SIZE	TYPE	CONST	FINISH	GLASS	RATING	FRAME	HDWR
B1	3'-0"x6'-8"x1 3/4"	B	H M	ME	-	45	-	3
B2	3'-0"x6'-8"x1 3/4"	B	H M	ME	-	60	-	3

FIRST FL
A2.1F SCALE : 1/8" = 1'-0"



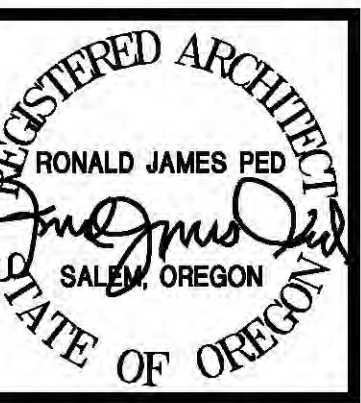
SECOND




THIRD FL
 SCALE : $\frac{1}{8}'' = 1'-0$



A2.F FIRST/SECOND/THIRD FLOOR PLAN
A2.I RATED CONSTRUCTION DETAILS
A3.F ELEVATIONS
A3.4 BUILDING SECTIONS
A3.5 BUILDING SECTIONS
A4.2 ENLARGED FLOOR PLAN
A4.3 ENLARGED FLOOR PLAN (ACCESSIBLE)
52.F FOUNDATION / FLOOR FRAMING PLAN
53.F FLOOR / ROOF FRAMING PLANS
58.1 STRUCTURAL DETAILS
58.2 STRUCTURAL DETAILS
58.3 STRUCTURAL DETAILS
A8.1 DETAILS
A9.1 ACCESSIBILITY DETAILS
A9.2 ACCESSIBILITY DETAILS



LANSING-SILVERTON

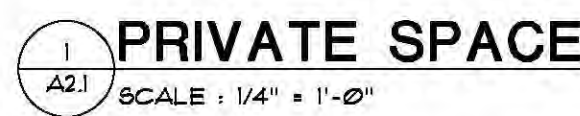
DATE: 16 FEB. 2017
DRAWN:
JOB NO.: 1665
A2.1F

A2.1F

FIRE-RESISTIVE CONSTRUCTION LEGEND	
	ONE HOUR RATED OR UNRATED WALL, PER APPLICATIONS NOTED BELOW AND IN WALL TYPE NOTES
	ONE-HR FIRE PARTITION FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE, CONTINUOUS THROUGH CONCEALED SPACES
	TWO-HR FIRE BARRIER FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE, CONTINUOUS THROUGH CONCEALED SPACES

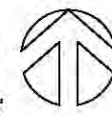
NOTES:

1. ALL BEARING WALLS, FLOOR, AND ROOF CONSTRUCTION ARE 1 HR FIRE-RESISTIVE CONSTRUCTION, PER CONSTRUCTION TYPE VA, EXCEPT AS NOTED OTHERWISE BELOW. ALL NON-BEARING PARTITIONS MAY BE UNRATED, EXCEPT AS NOTED OTHERWISE.
2. ALL DUELLING PENETRATING WALLS AND RATED CORRIDOR WALLS ARE CONSTRUCTED AS 1 HR FIRE PARTITIONS.
3. ALL NON-BEARING WALLS ARE 2x4 EXCEPT AS REQUIRED FOR PLUMBING, MECHANICAL, OR UNO. KEEP FRAMING FLUSH WITHIN A ROOM - NO JOGG ACCEPTED.



DOOR SCHEDULE															
"ALL DOORS TO RECEIVE LEVER TYPE HARDWARE"		(2)	TYPE	(3)	CONST	(4)	FINISH	(5)	GLASS	(6)	RATING	(7)	FRAME	(8)	HDWR
NO.	SIZE														
B1	3'-0"x6"-8"x1 3/4"	B	H	M	M	-	45	-	3						
B2	3'-0"x6"-8"x1 3/4"	B	H	M	M	-	60	-	3						

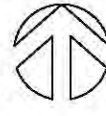
FIRST FL
A
A2.IG SCALE: 1/8" = 1'-0"



SECOND
SCALE : $\frac{1}{8}" = 1'-0"$




THIRD FL
 SCALE : $\frac{1}{8}'' = 1'-0''$



DRAWING INDEX

- A2.1G FIRST/SECOND/THIRD FLOOR PLAN
- A2.1I RATED CONSTRUCTION DETAILS
- A3.1G ELEVATIONS
- A3.4 BUILDING SECTIONS
- A3.5 BUILDING SECTIONS
- A4.1 ENLARGED FLOOR PLAN
- A4.3 ENLARGED FLOOR PLAN (ACCESS/BLE)
- 52.1G FOUNDATION / FLOOR FRAMING PLAN
- 53.1G FLOOR / ROOF FRAMING PLANS
- 58.1 STRUCTURAL DETAILS
- 58.2 STRUCTURAL DETAILS
- 58.3 STRUCTURAL DETAILS
- A8.1 DETAILS
- A9.1 ACCESSIBILITY DETAILS
- A9.2 ACCESSIBILITY DETAILS

LANSING-SILVERTON
APARTMENT COMPLEX
3010 SILVERTON ROAD NE

DATE: 16 FEB. 2017
DRAWN:
JOB NO.: 1665
A2.1G

FIRE-RESISTIVE CONSTRUCTION LEGEND

	ONE HOUR RATED OR UNRATED WALL, PER APPLICATIONS NOTED BELOW AND IN WALL TYPE NOTES
	ONE-HR FIRE PARTITION FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE CONTINUOUS THROUGH CONCEALED SPACES
	TWO-HR FIRE BARRIER FROM TOP OF FLOOR/CEILING ASSEMBLY BELOW TO UNDERSIDE OF UNDERSIDE OF FLOOR/ROOF DECK ABOVE CONTINUOUS THROUGH CONCEALED SPACES

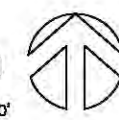
NOTES:

1. ALL BEARING WALLS, FLOOR, AND ROOF CONSTRUCTION ARE 1-HR FIRE-RESISTIVE CONSTRUCTION PER CONSTRUCTION TYPE VA, EXCEPT AS NOTED OTHERWISE BELOW. ALL NON-BEARING PARTITIONS MAY BE UNRATED, EXCEPT AS NOTED OTHERWISE.
2. ALL DUELLING PERMISSIBLE WALLS AND HALL CORRIDOR WALLS ARE CONSTRUCTED AS 1-HR FIRE PARTITIONS.
3. ALL NON-BEARING WALLS ARE 2X4 EXCEPT AS REQUIRED FOR PLUMBING, MECHANICAL, OR UNO. KEEP FRAMING FLUSH WITHIN A ROOM - NO JOGG ACCEPTED.

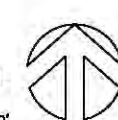


DOOR SCHEDULE															
"ALL DOORS TO RECEIVE LEVER TYPE HARDWARE"		2	TYPE	(3)	CONST	(4)	FINISH	(5)	GLASS	(6)	RATING	(7)	FRAME	(8)	HDWR
NO.	SIZE														
B1	3'-0"x6'-8"x1 3/4"	B	H M	ME	-	45	-	3							
B2	3'-0"x6'-8"x1 3/4"	B	H M	ME	-	60	-	3							

FIRST FL
A2.1H SCALE: $\frac{1}{8}'' = 1'-0''$



BUILDING
SECOND
SCALE : $\frac{1}{8}'' = 1'-0''$

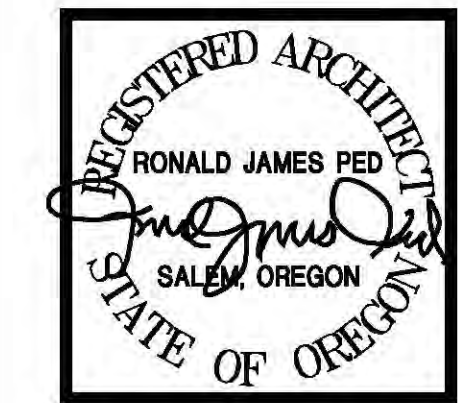


THIRD FL
SCALE : $\frac{1}{8}'' = 1'-0''$



DRAWING INDEX

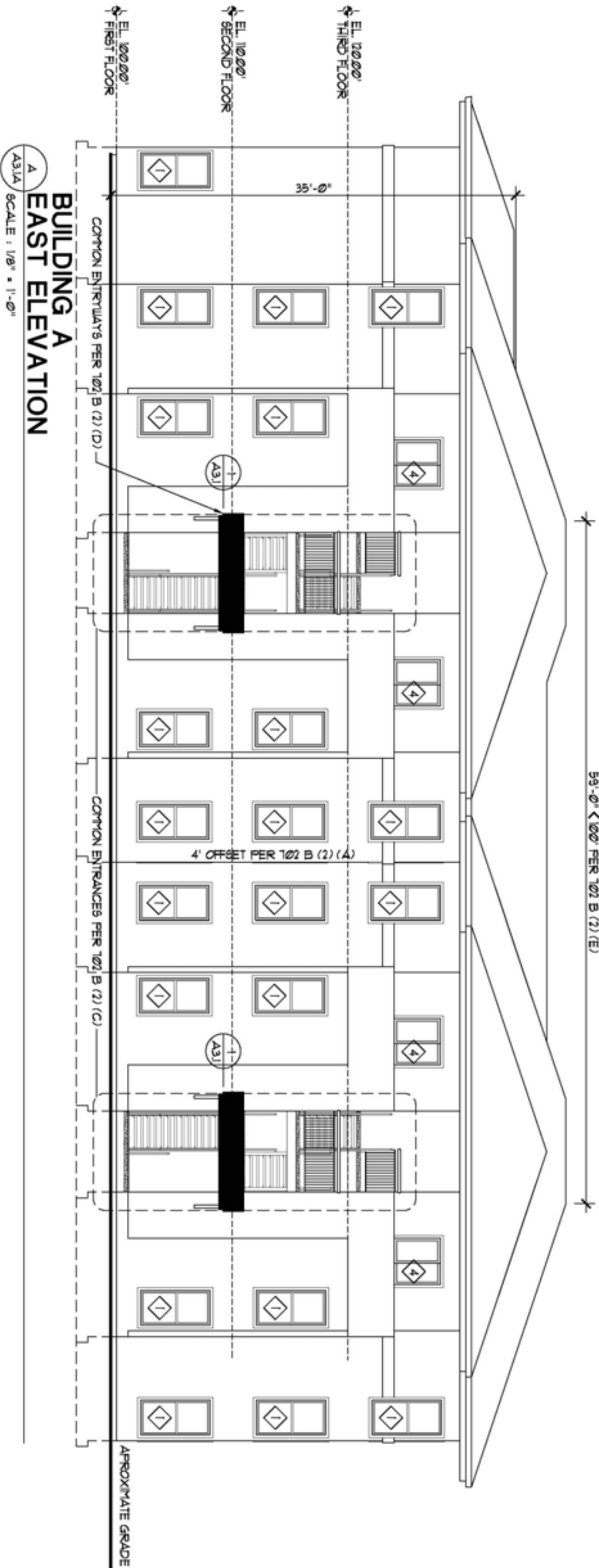
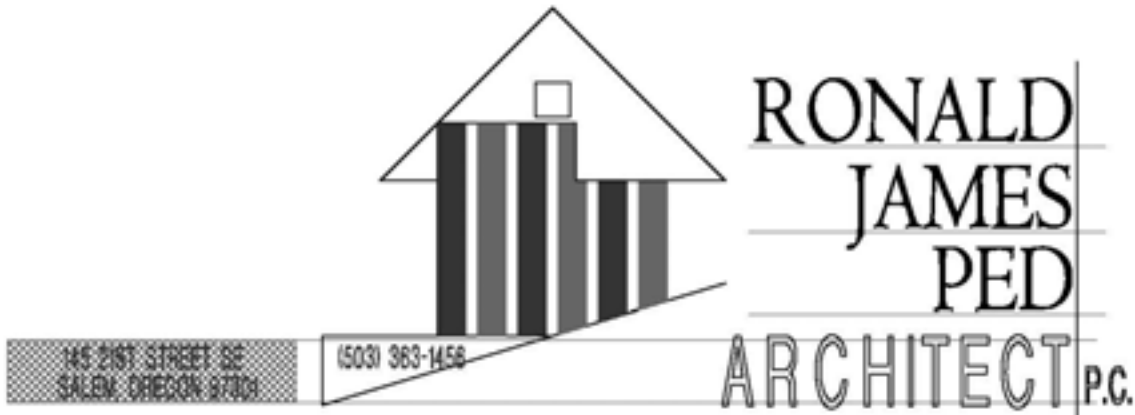
A2.14	FIRST/SECOND THIRD FLOOR PLAN
A2.11	RATED CONSTRUCTION DETAILS
A3.14	ELEVATIONS
A3.4	BUILDING SECTIONS
A3.5	BUILDING SECTIONS
A4.2	ENLARGED FLOOR PLAN
A4.3	ENLARGED FLOOR PLAN (ACCESSIBLE)
52.14	FOUNDATION / FLOOR FRAMING PLAN
53.14	FLOOR / ROOF FRAMING PLANS
58.1	STRUCTURAL DETAILS
58.2	STRUCTURAL DETAILS
58.3	STRUCTURAL DETAILS
A8.1	DETAILS
A9.1	ACCESSIBILITY DETAILS
A9.2	ACCESSIBILITY DETAILS



LANSING-SILVERTON

DATE: 16 FEB. 2017
DRAWN:
JOB NO.: 1665
A2.1H

P:1665 Millie Eileen Lansing and Silvestro Perpetua A2 x 03.09.2017.dwg, A214 4/24 PAK-2-1665-5-PM-Sigaldad 1.81;ilverton AptA PermitA2.x 03.09.2017.dwg A2.1h



A3.1A SCALE: 1/8" = 1'-0"



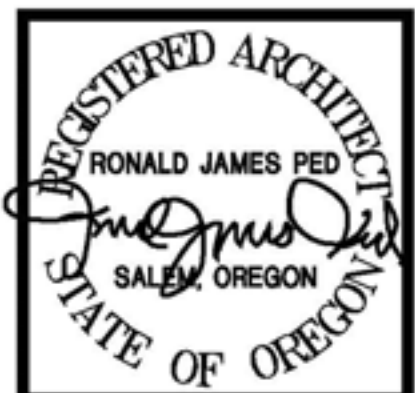
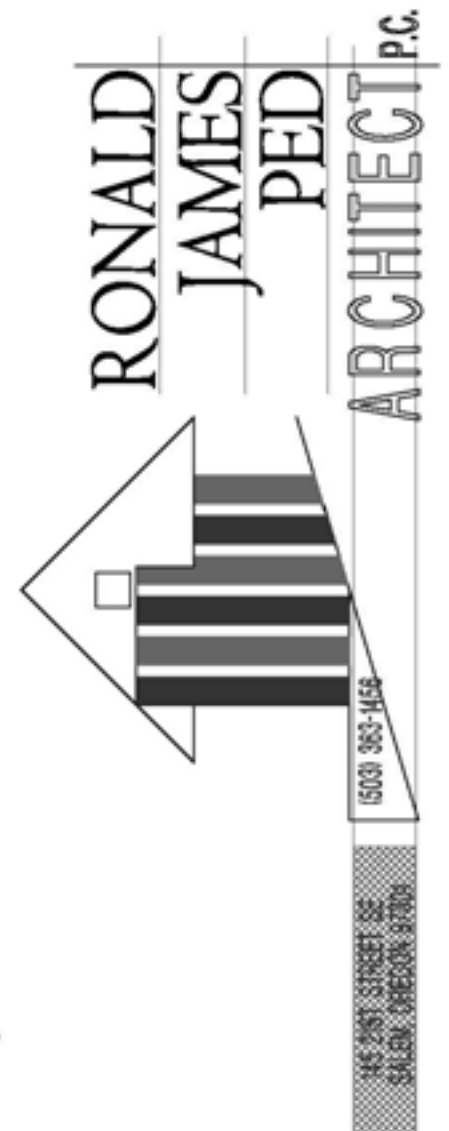
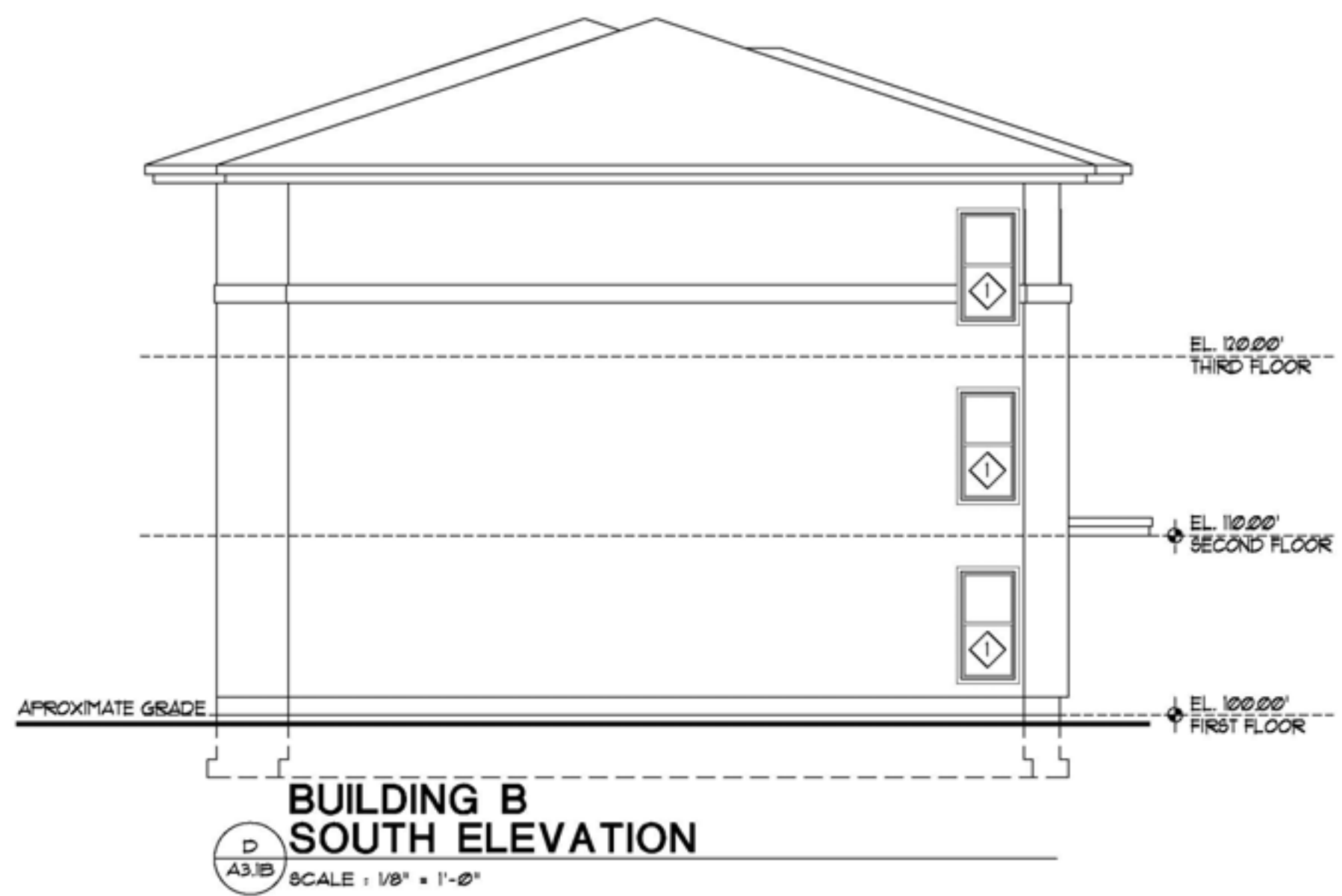
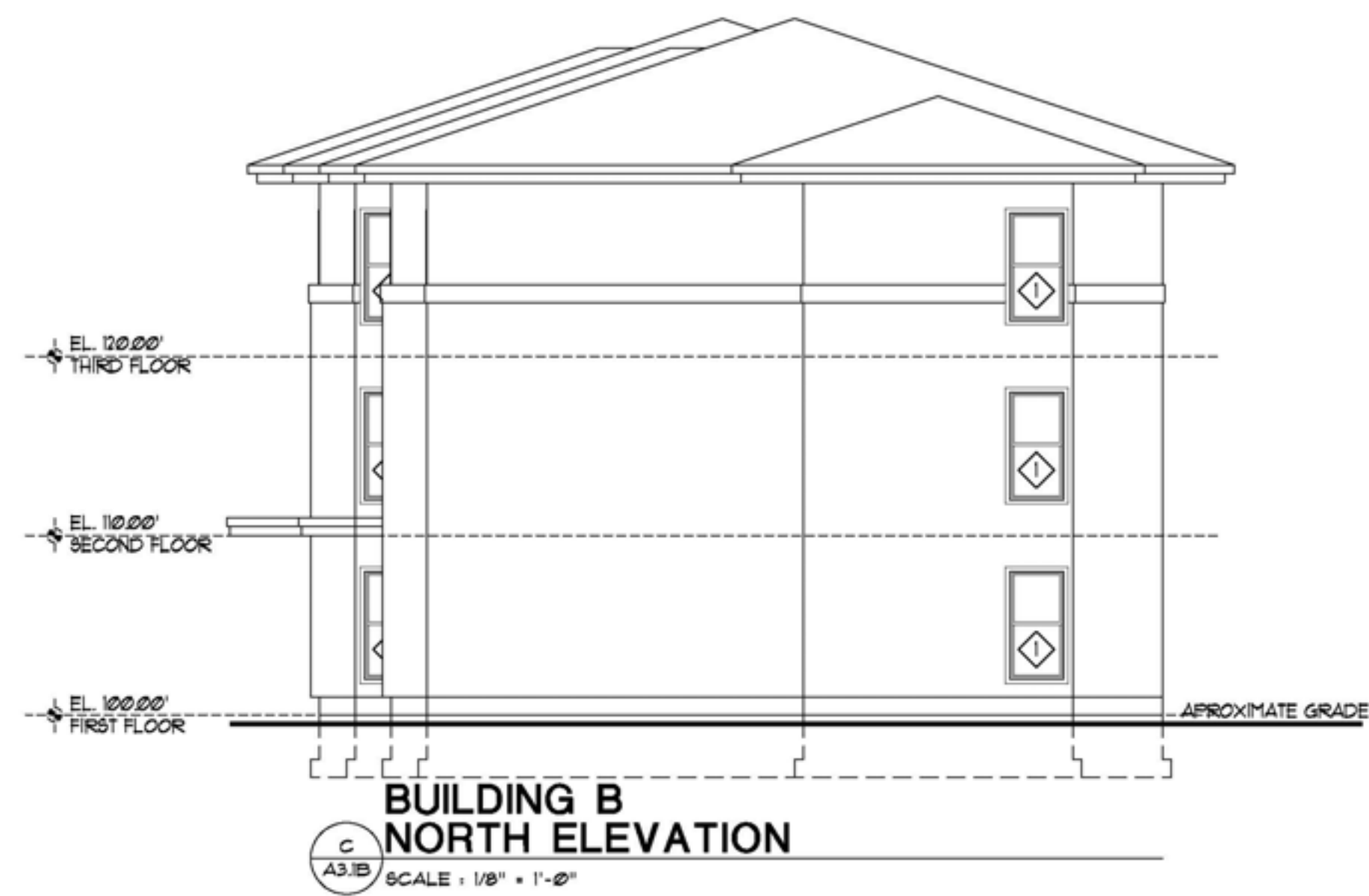
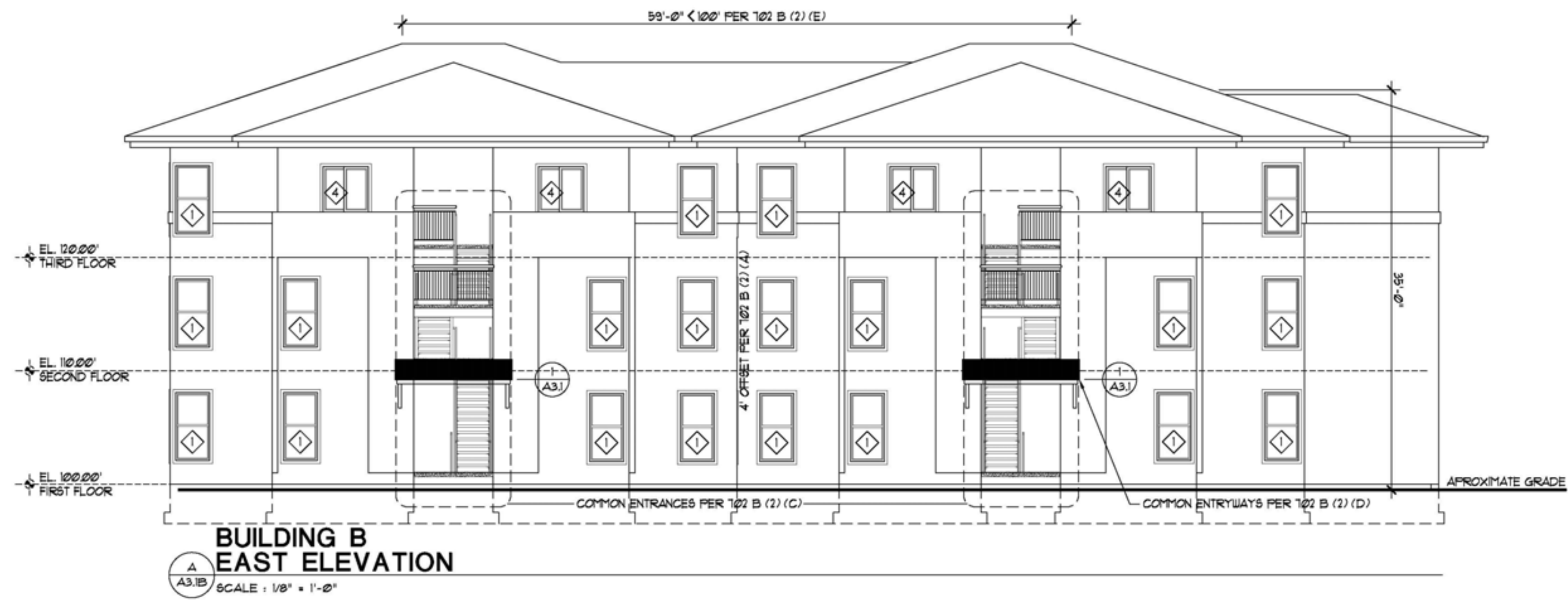
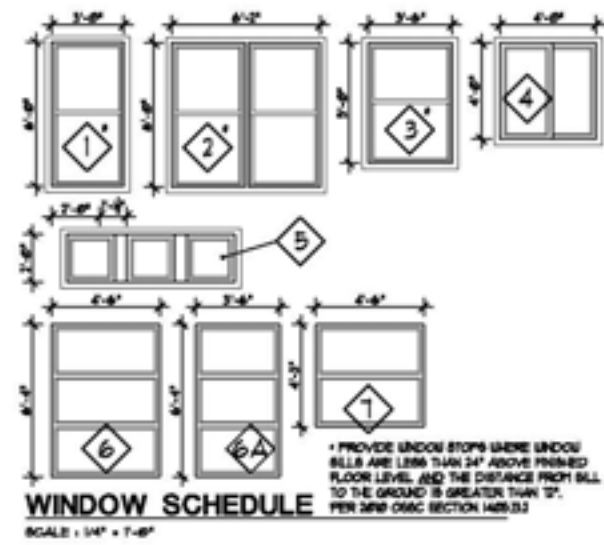
SCALE : 1/8" = 1'-0"

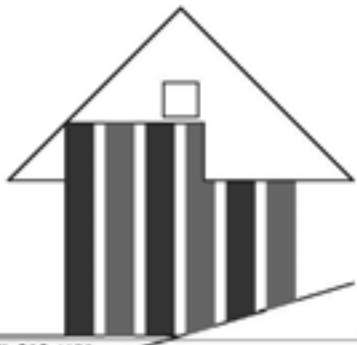
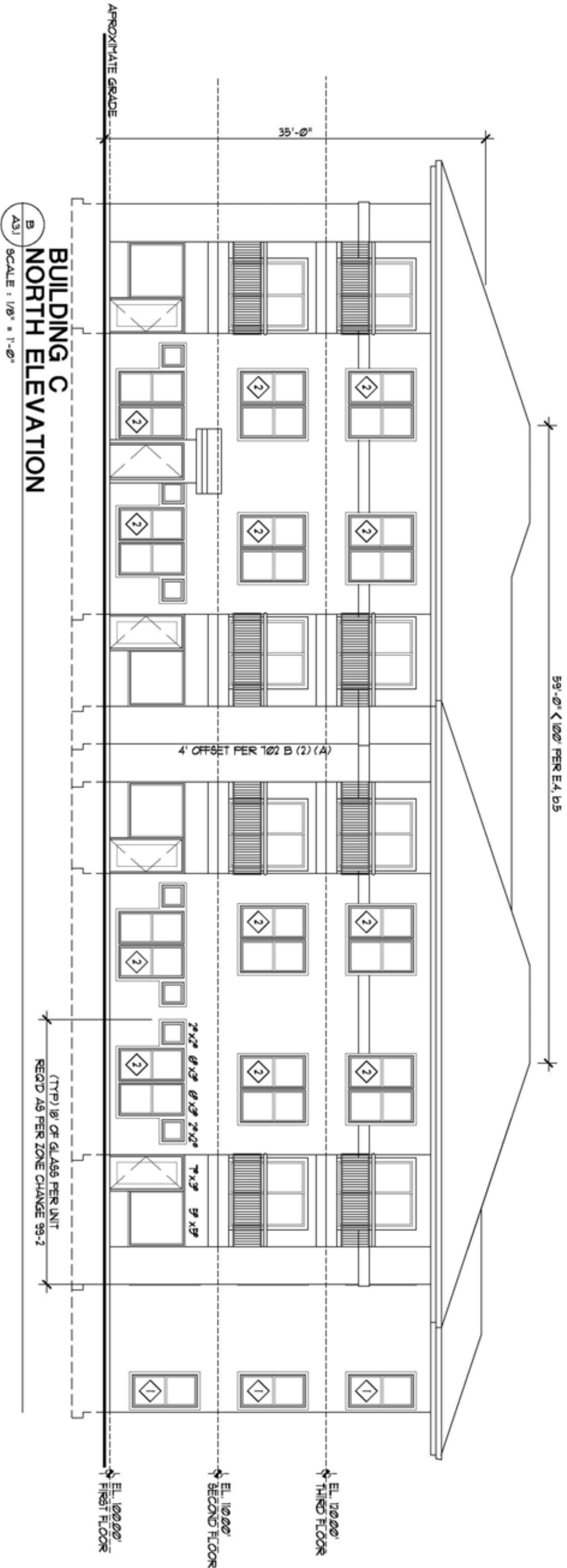
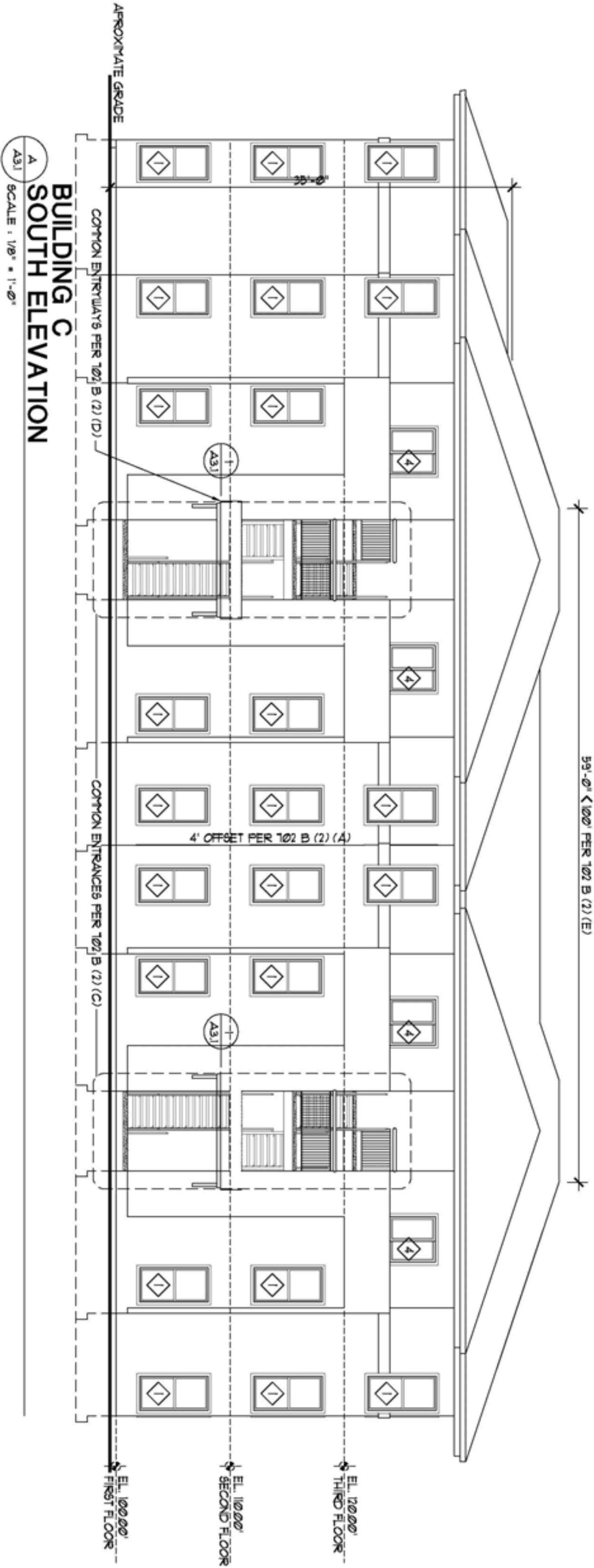
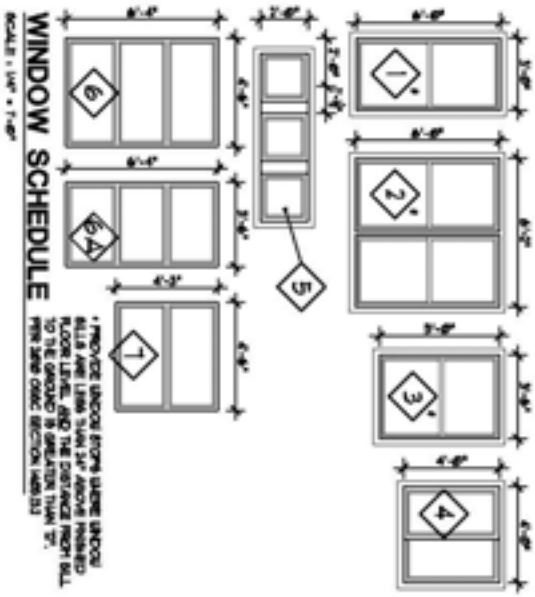


A3.1A SCALE : 1/8" = 1'-0"



SCALE : 1/8" = 1'-0"

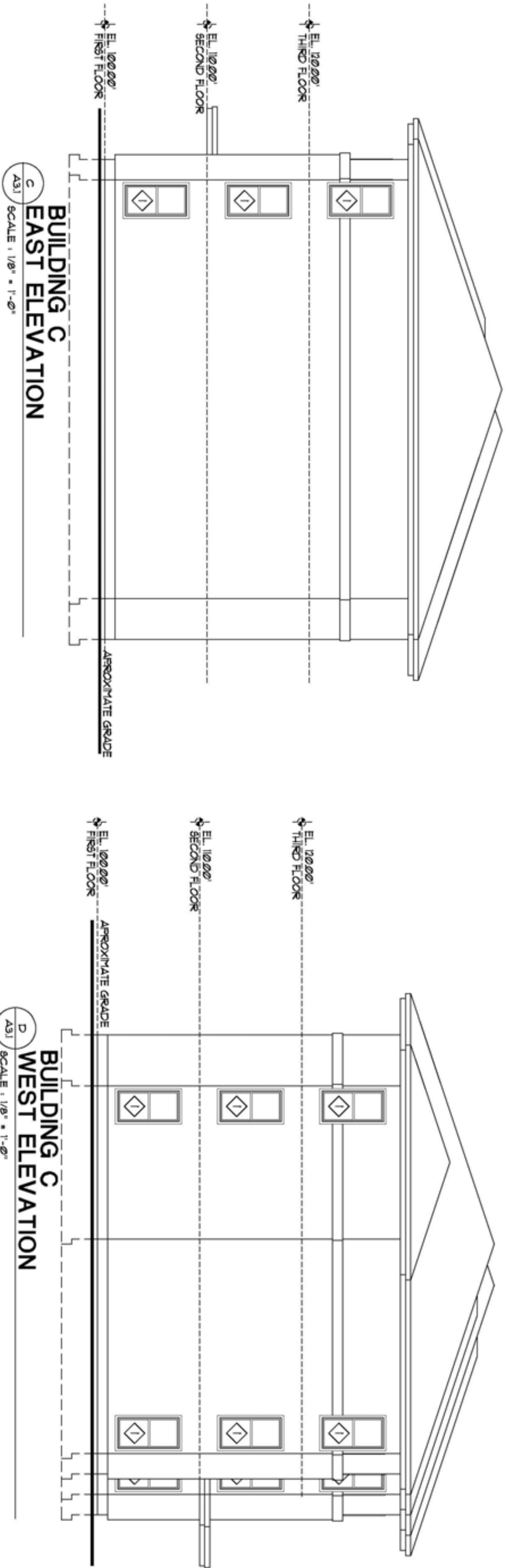


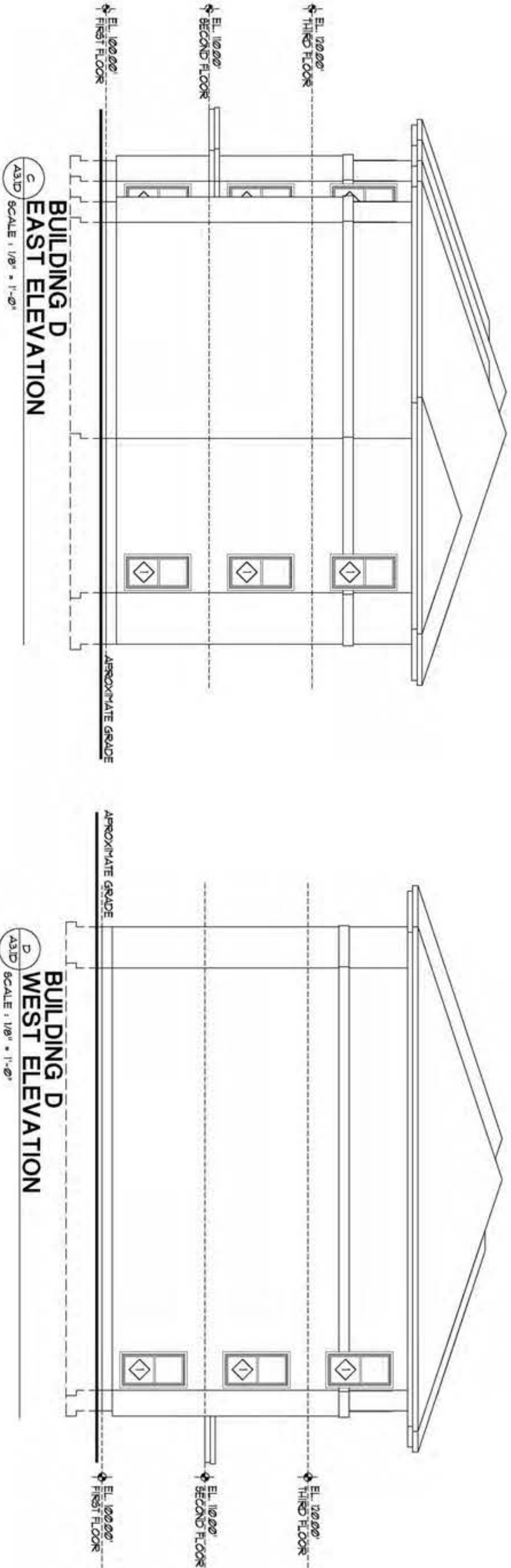
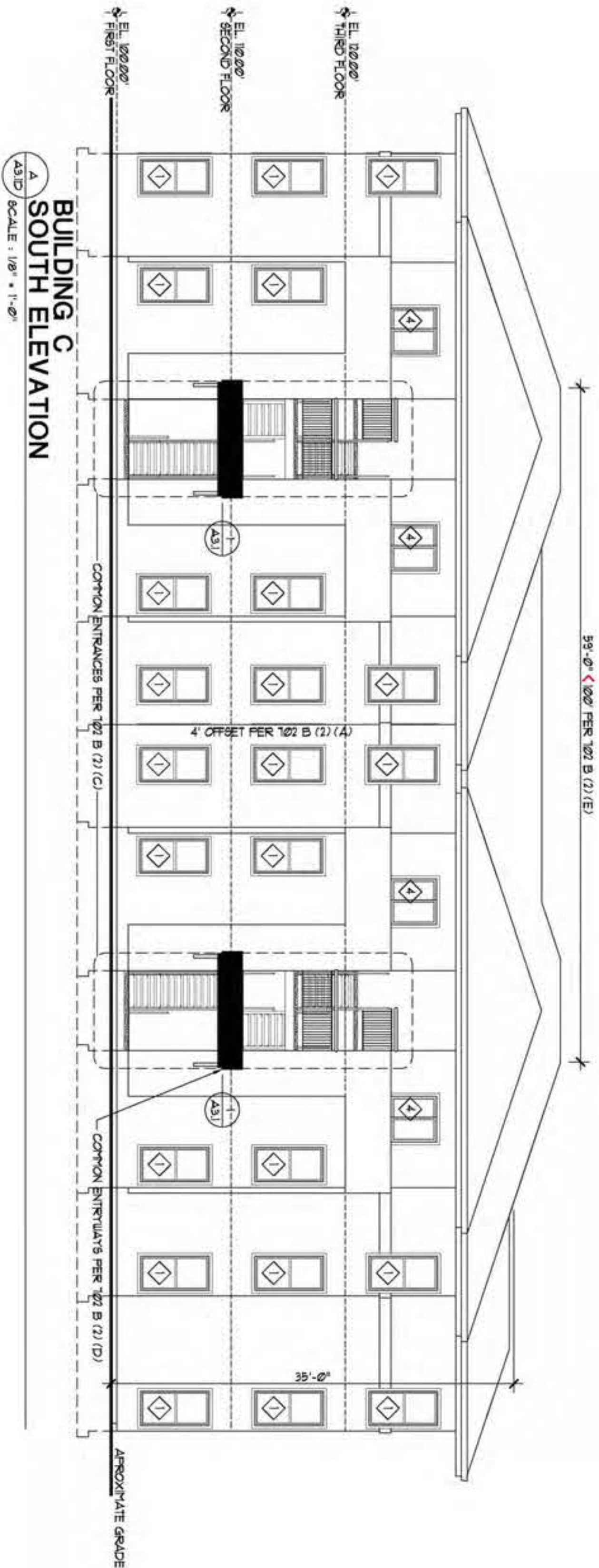
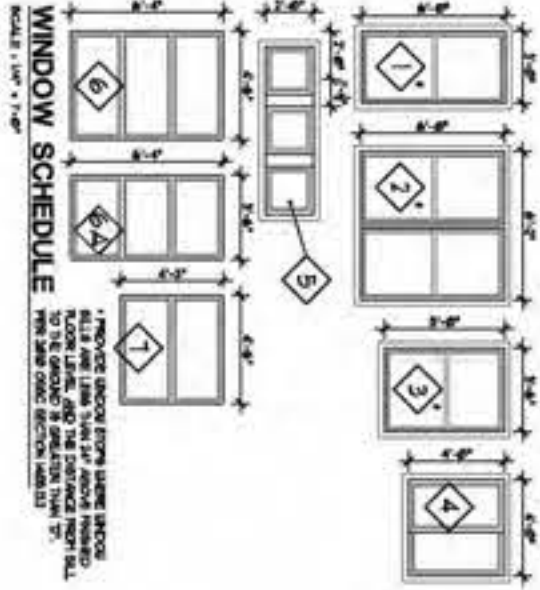


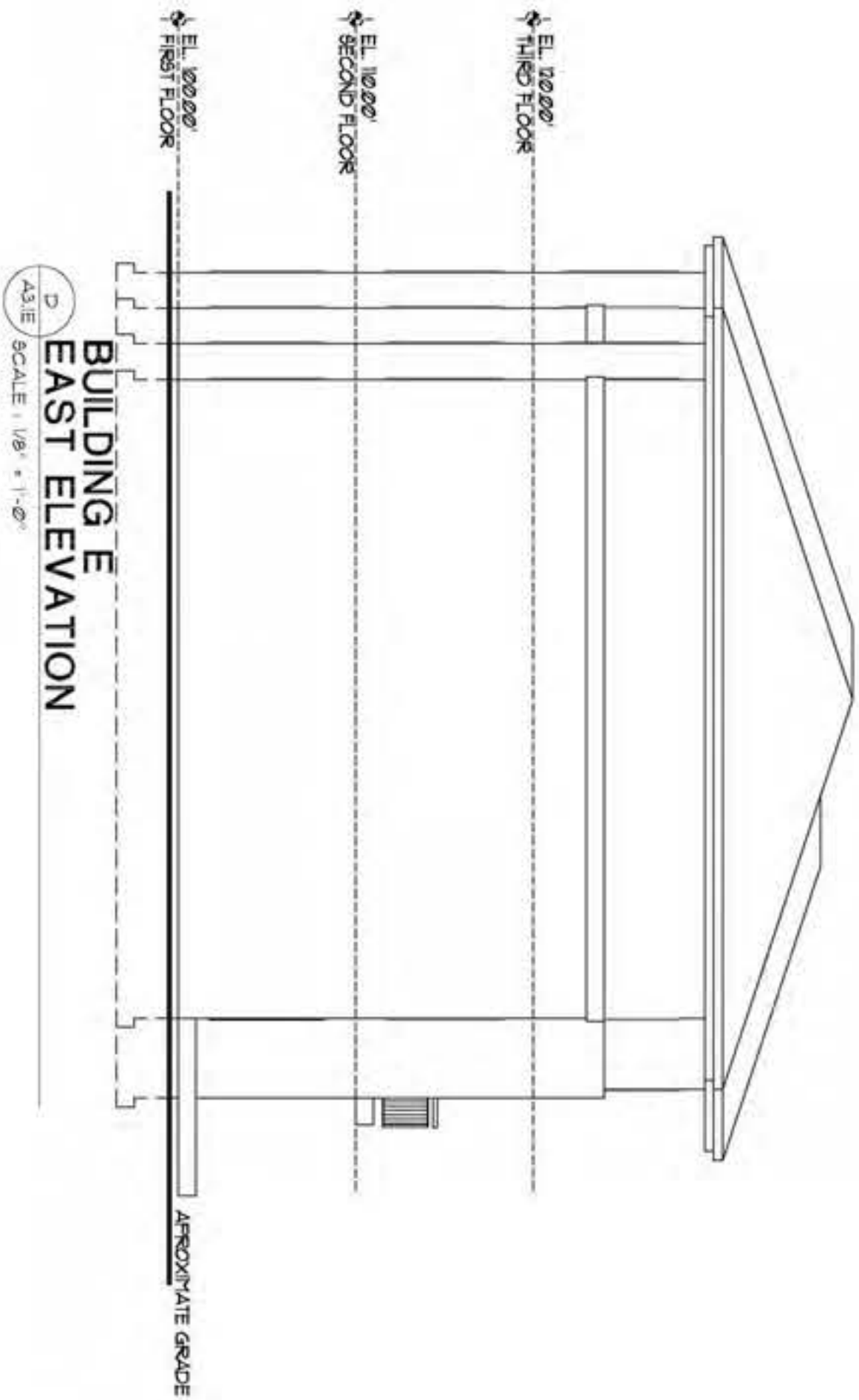
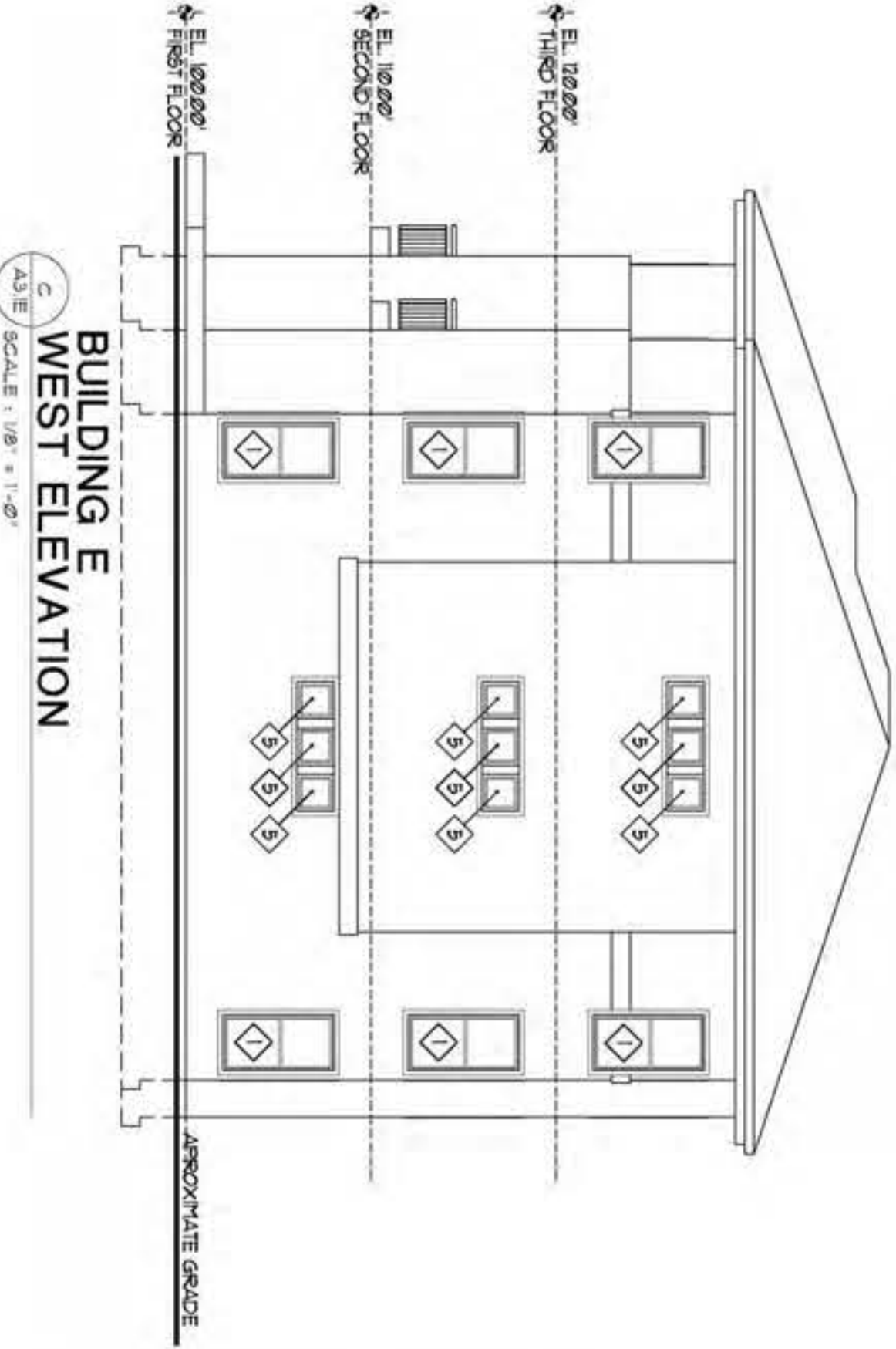
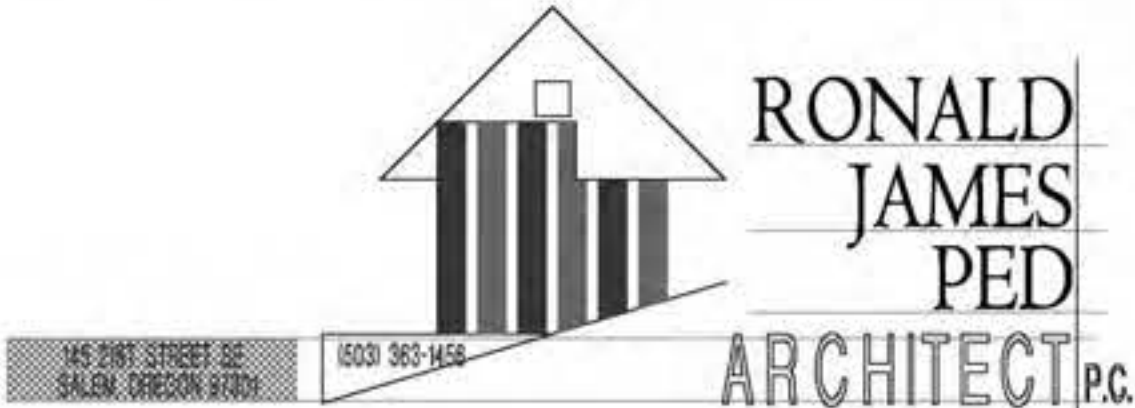
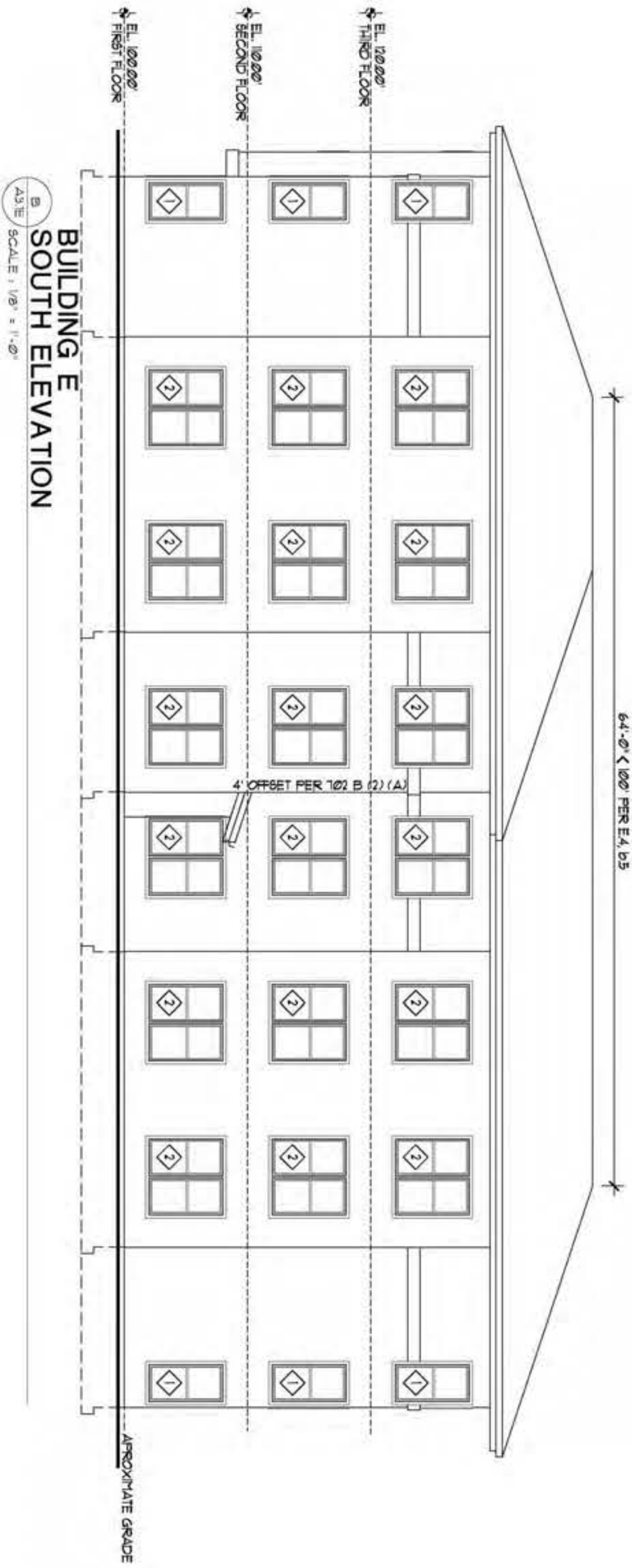
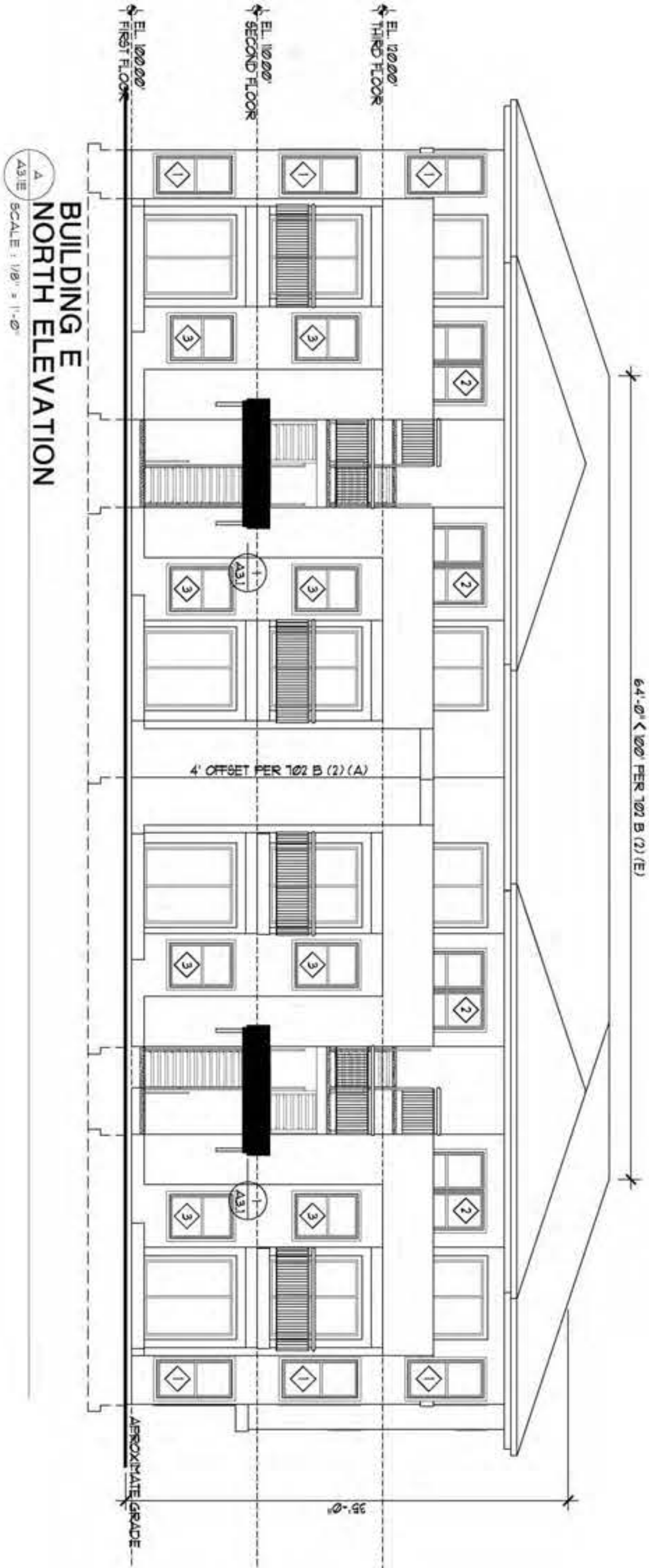
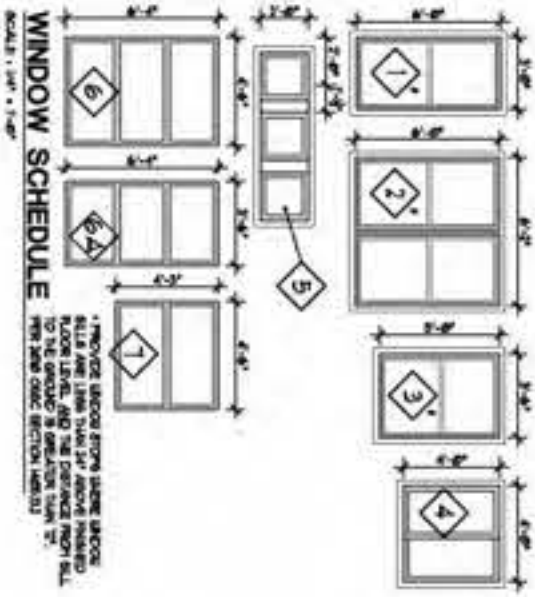
RONALD
JAMES
PED
ARCHITECT P.C.

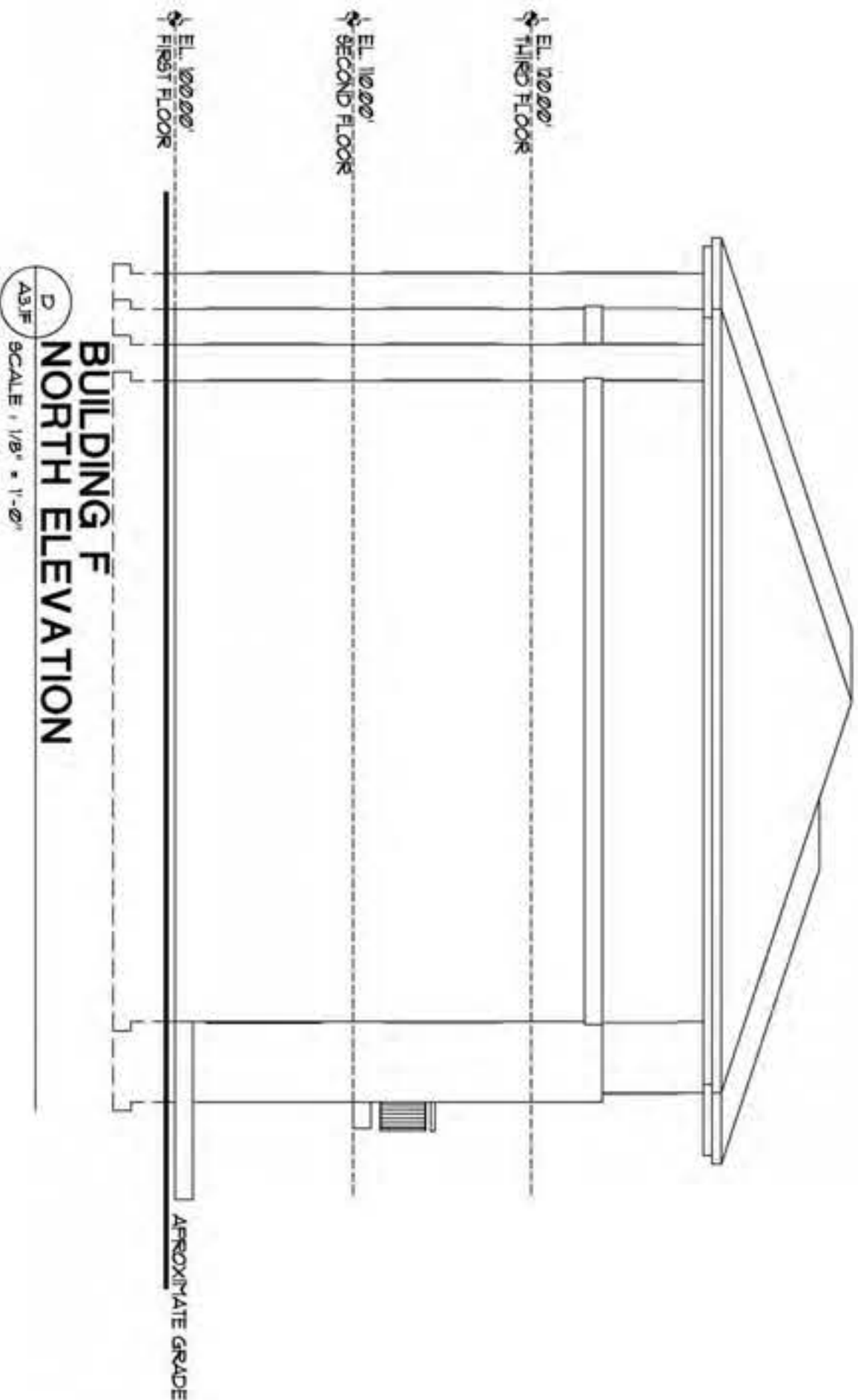
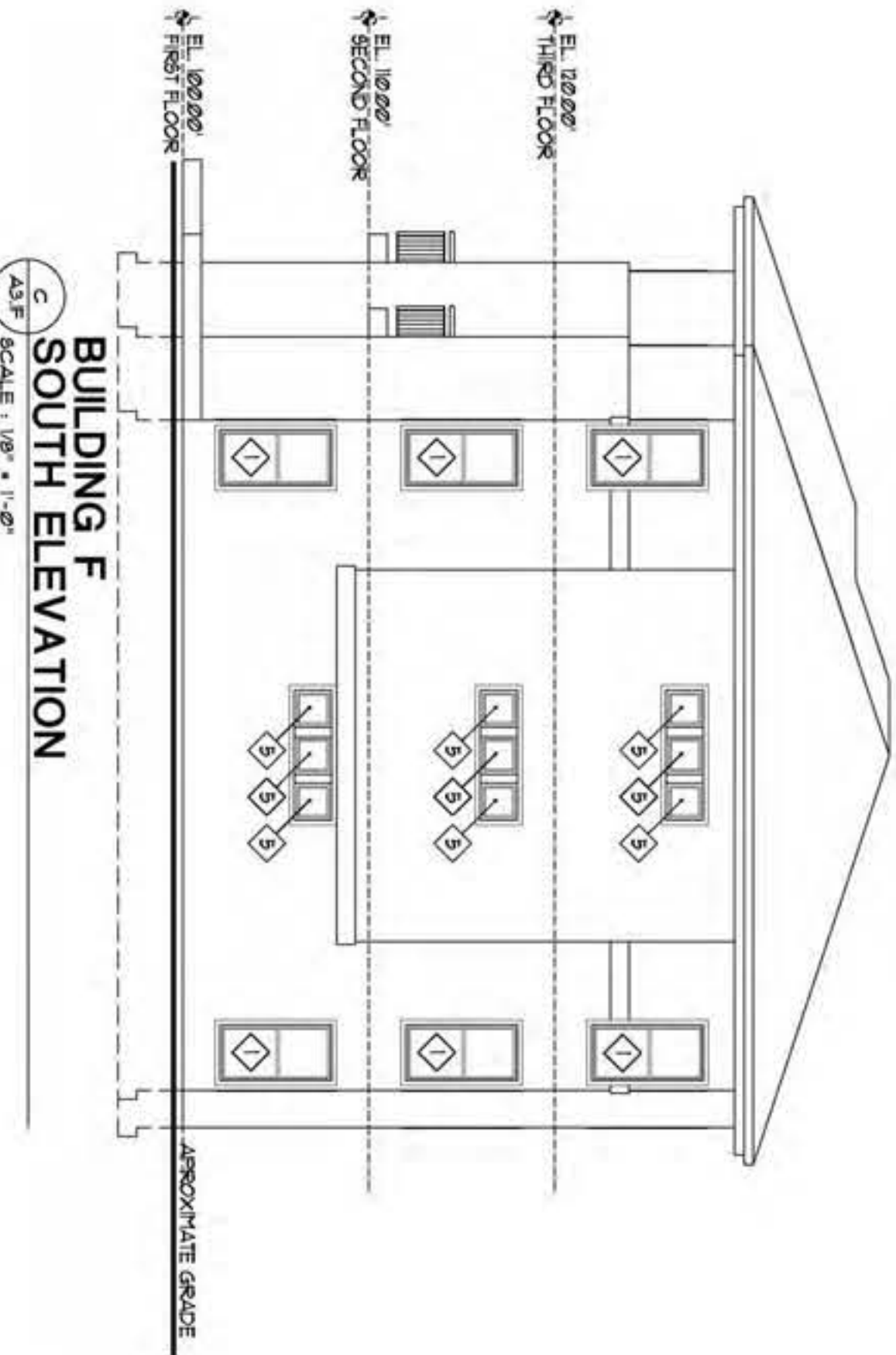
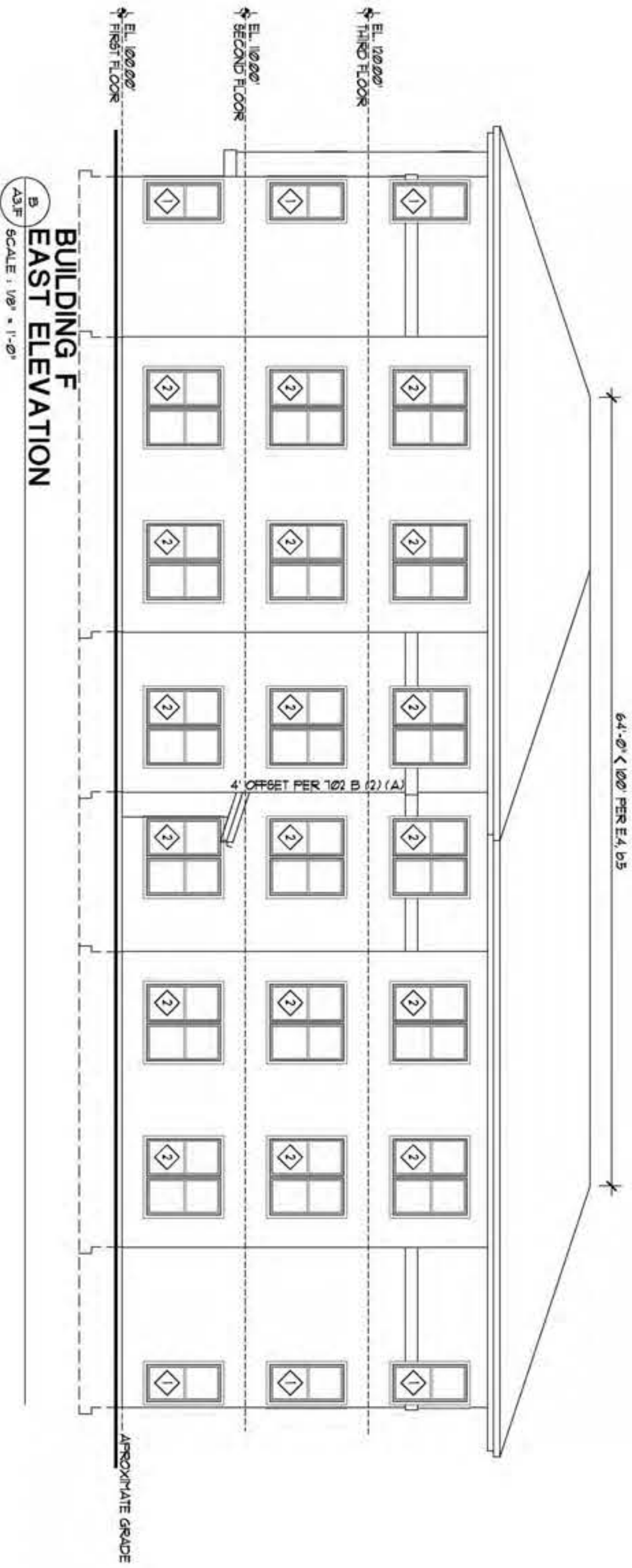
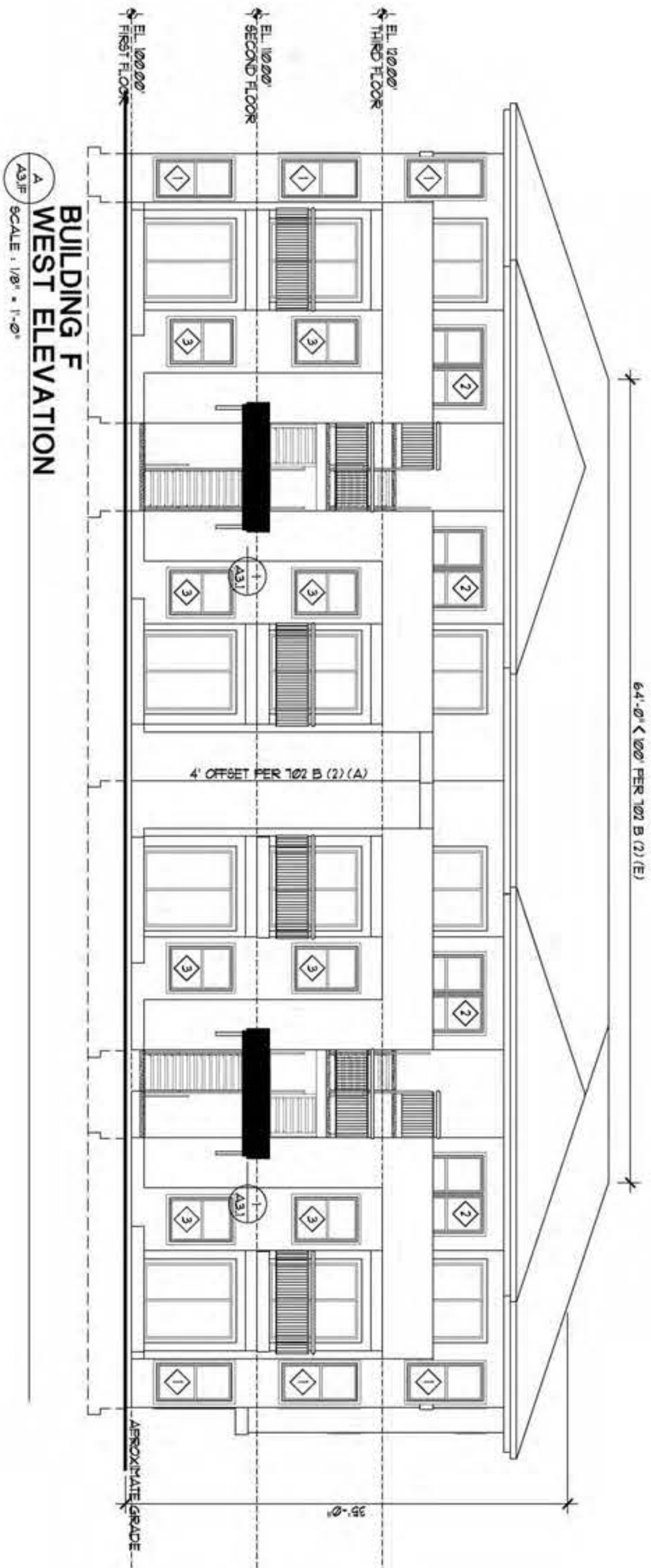
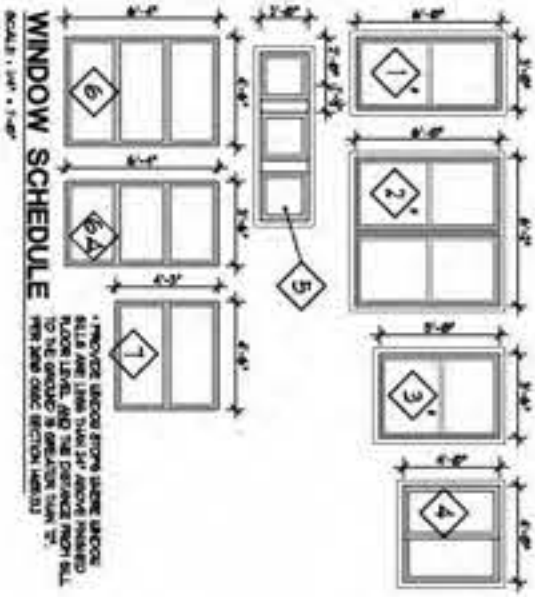
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SALMON, OREGON 97131

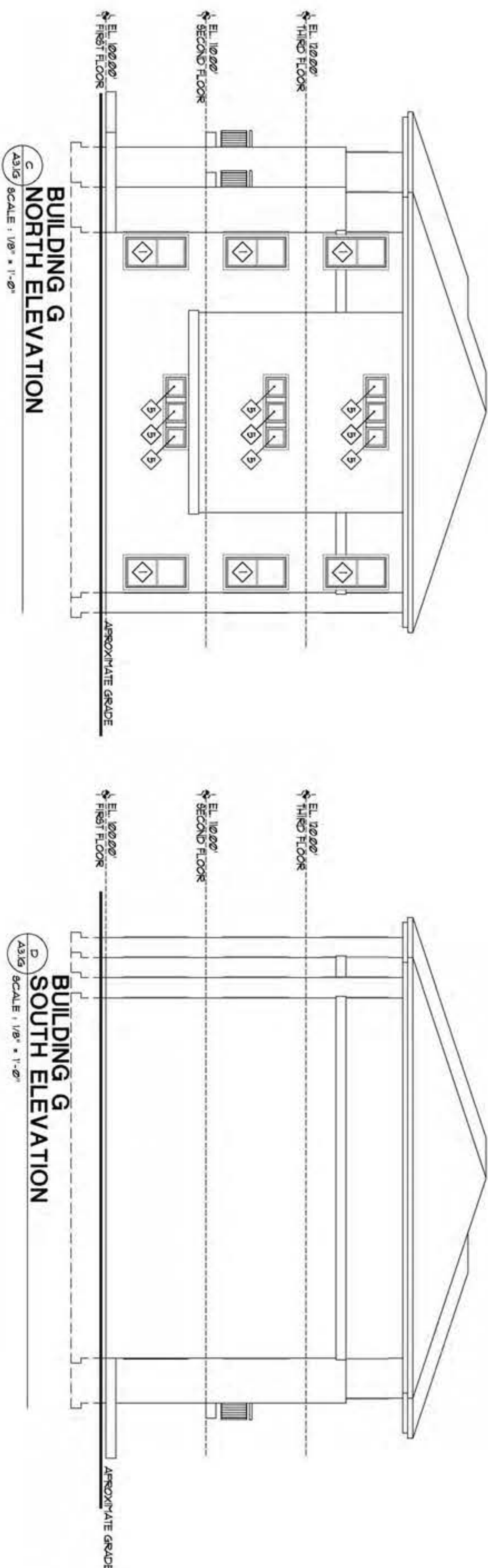
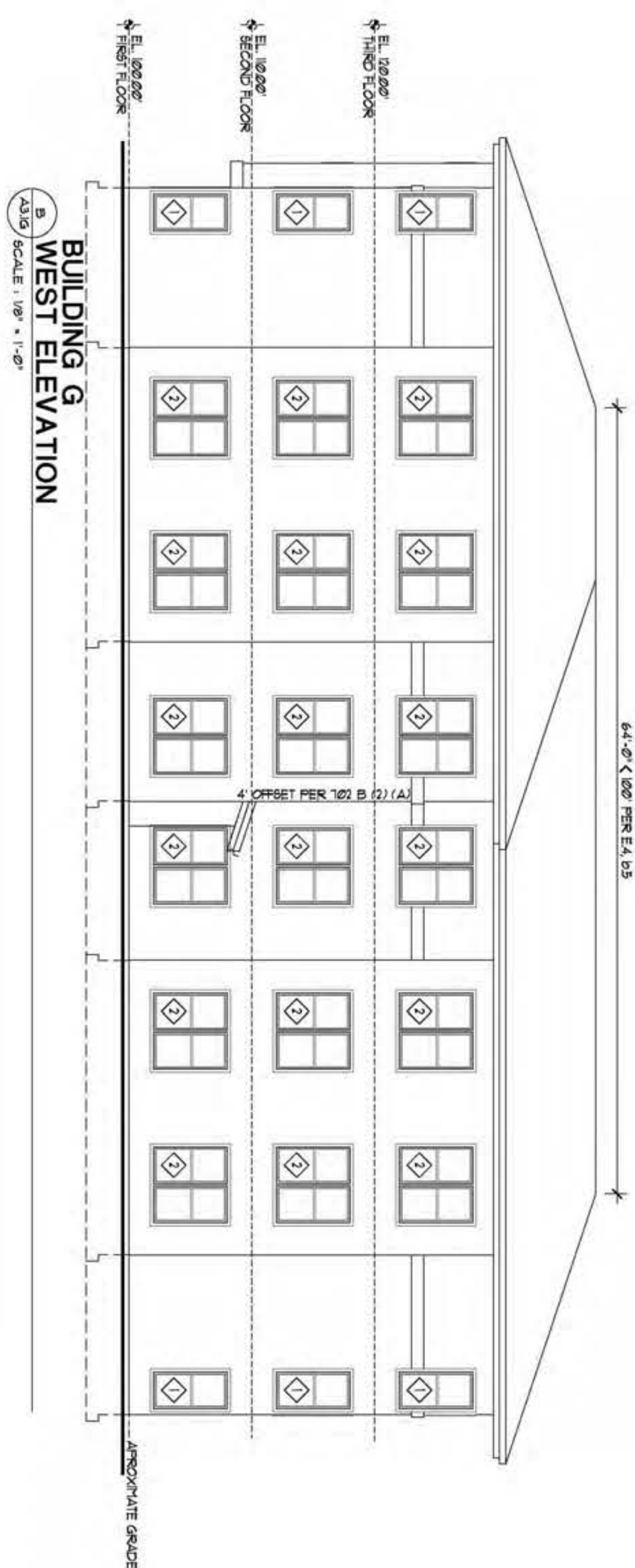
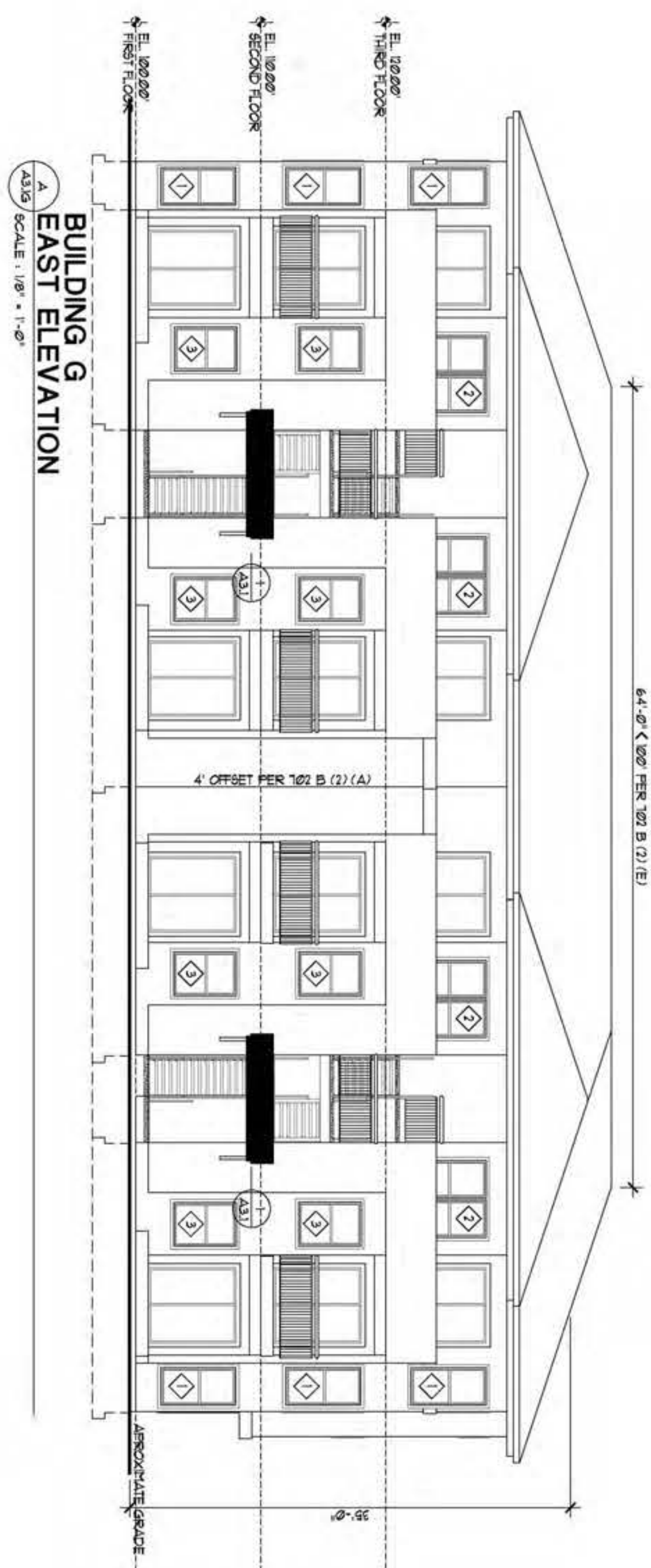
(503) 363-1454

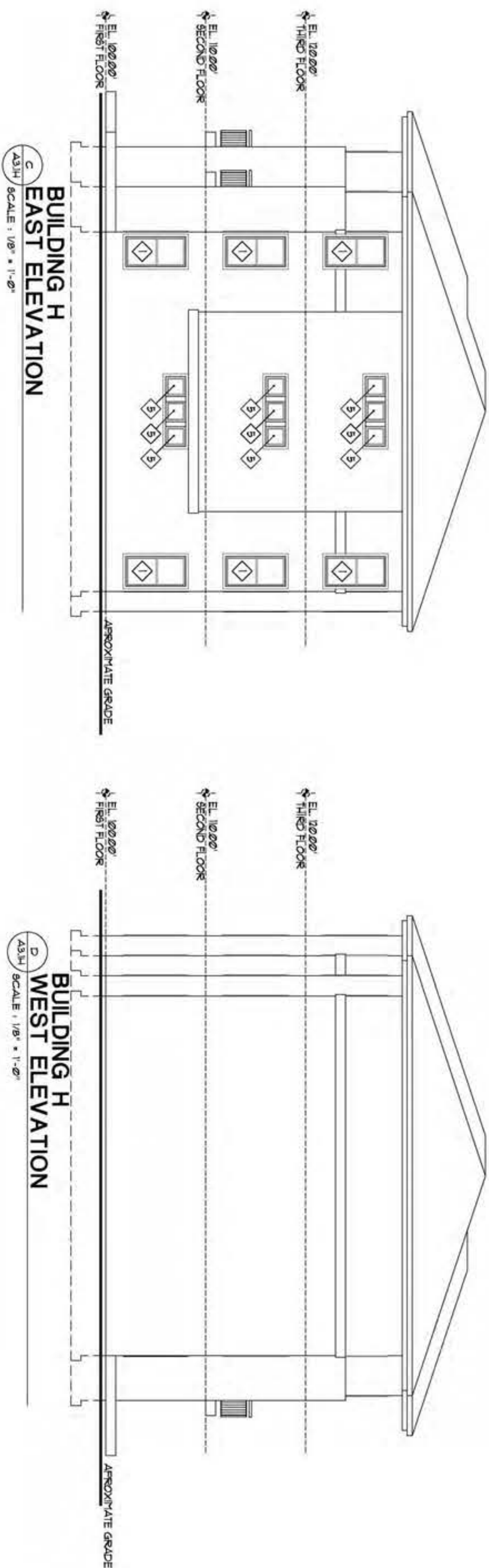
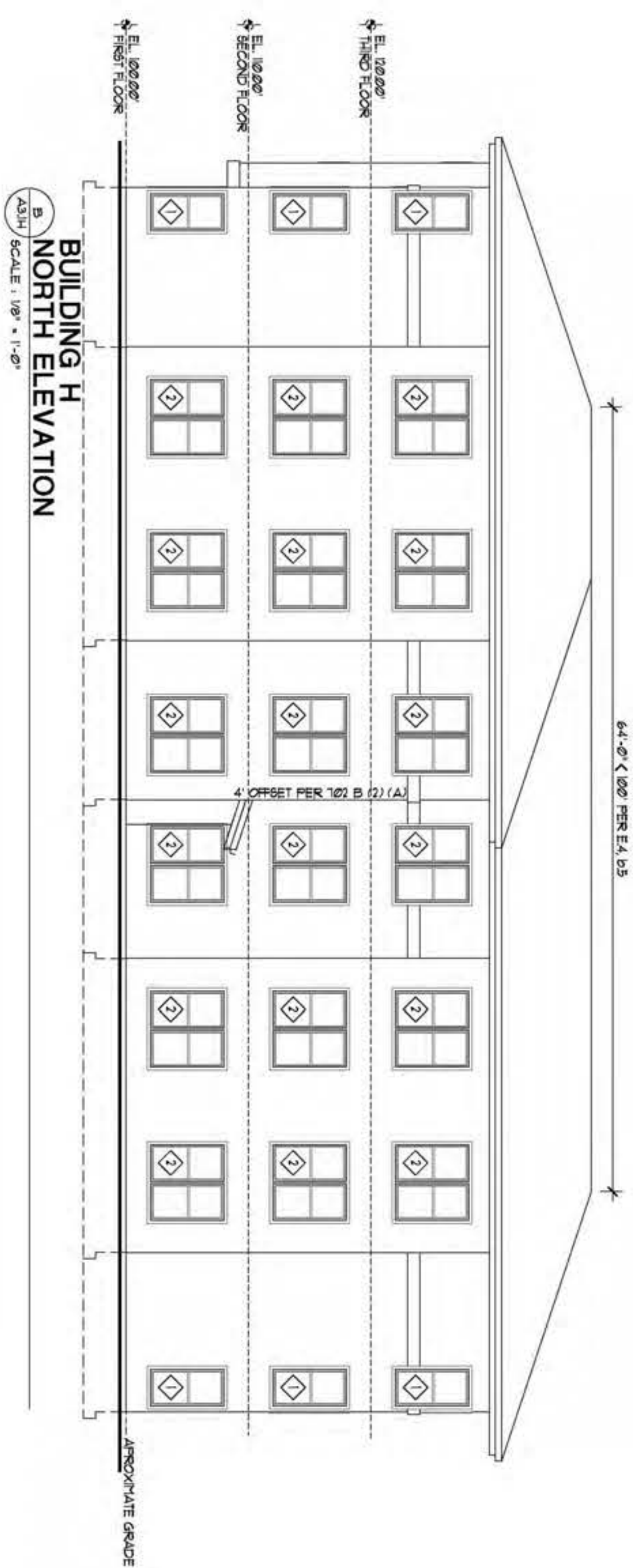
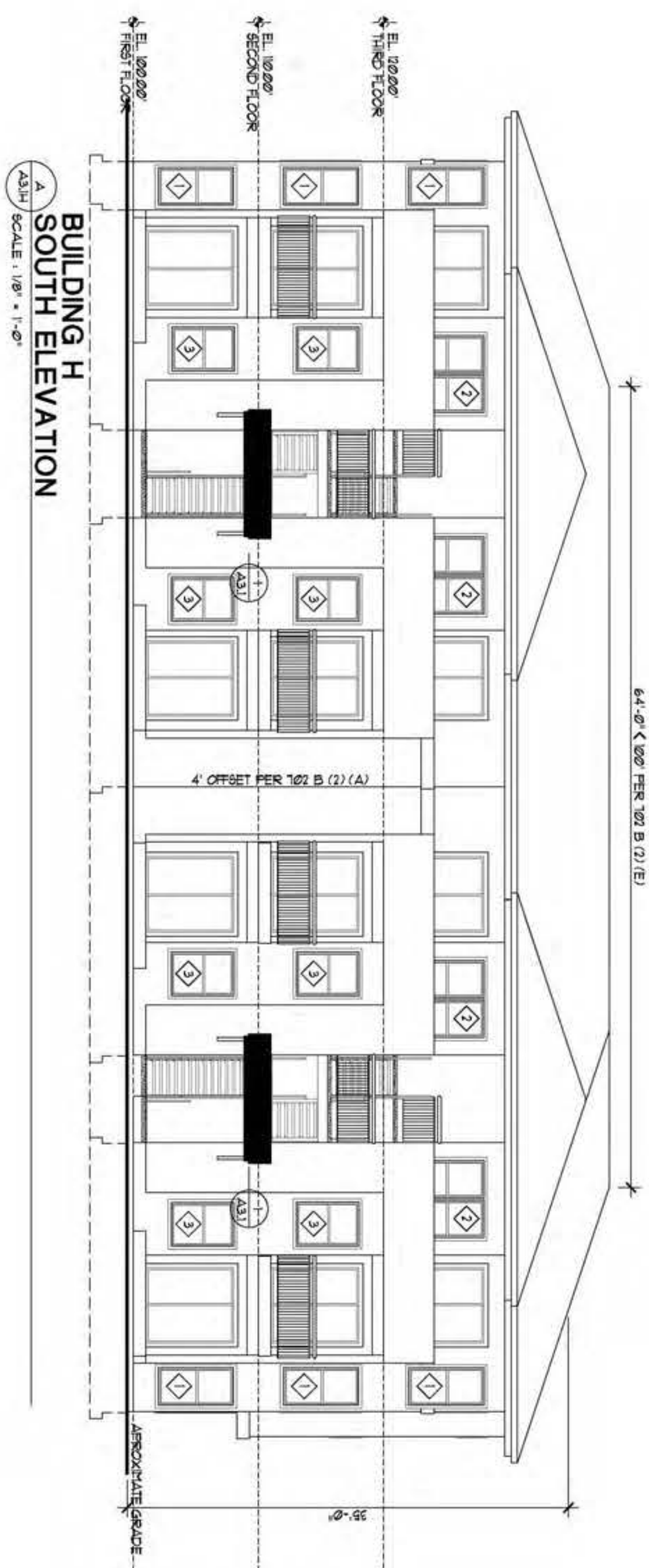
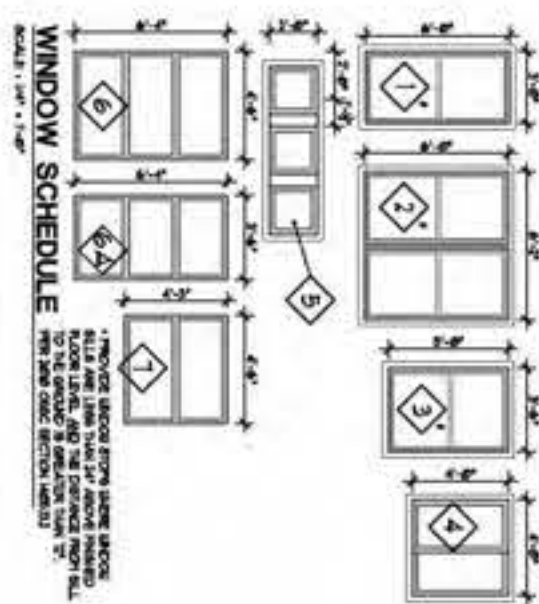












TYPE A UNITS

1003 Type A Units
1003.1 General. Type A units shall comply with Section 1003.
1003.2 Primary Entrance. The accessible primary entrance shall be on an accessible route from public and common areas. The primary entrance shall not be to a bedroom.
1003.3 Accessible Route. Accessible routes within Type A units shall comply with Section 1003.3.2.
1003.3.1 Location. At least one accessible route shall connect all spaces and elements that are a part of the unit. Where only one accessible route is provided, it shall not pass through bedrooms and toilet rooms, closets, or similar spaces.
1003.3.2 Clear Width. Clear width of an accessible route shall provide a turning space complying with Section 304.
1003.3.3 Components. Accessible routes shall consist of one or more of the following elements: walking surfaces with a slope not steeper than 1:20, ramps, elevators, and platform lifts.
1003.4 Walking Surfaces. Walking surfaces that are part of an accessible route shall comply with Section 403.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of a walking surface shall not be steeper than 1:48.
403.4 Changes in Level. Changes in level shall comply with Section 303.
403.5 Clear Width. Clear width of an accessible route shall comply with Table 403.5.

1003.5 Doors and Doorways. The primary entrance door to the unit, and all other doorways intended for user passage, shall comply with Section 404.
404.5.1 Clear Width at Turn. Where an accessible route makes a 180 degree turn around an object that is less than 48 inches in width, the clear width shall be 42 inches minimum approaching the turn, 48 inches minimum during the turn, and 42 inches minimum leaving the turn.
EXCEPTION: Section 403.5.1 shall not apply where the clear width at the turn is 60 inches minimum.
EXCEPTIONS:
1. Thresholds at exterior sliding doors shall be permitted to be 2 inches maximum in height, provided they are beveled with a slope not greater than 1:2.
2. In toilet rooms and bathrooms not required to comply with Section 1003.11, maneuvering clearances required by Section 404.2.3 are not required on the toilet room or bathroom side of the door.

1003.6 Ramps. Ramps shall comply with Section 403.5.
1003.9 Operable Parts. Lighting controls, electrical switches and receptacle outlets, environmental controls, appliance controls, operating hardware for operable windows, plumbing fixture controls, and user controls for security or intercom systems shall comply with Section 309.
EXCEPTIONS:
1. Receptacle outlets serving a dedicated use.
2. One receptacle outlet is not required to comply with Section 309 where all of the following conditions are met:
(a) the receptacle outlet is above a length of countertop that is uninterrupted by a sink or appliance;
(b) at least one receptacle outlet complying with Section 1003.9 is provided for that length of countertop; and
(c) all other receptacle outlets provided for that length of countertop comply with Section 1003.9.

3. Floor receptacle outlets.
4. HVAC diffusers.
5. Controls mounted on ceiling fans.
6. Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be accessible.
1003.10 Laundry Equipment. Washing machines and clothes dryers shall comply with Section 611.
1003.11 Toilet and Bathing Facilities.
1003.11.1 General. All toilet and bathing areas shall comply with Section 1003.11.9. At least one toilet and bathing facility shall comply with Section 1003.11.1. At least one lavatory, one water closet and either a bathtub or shower within the unit shall comply with Section 1003.11.1. The accessible toilet and bathing fixtures shall be in a single toilet/bathing area, such that travel between fixtures does not require travel through other parts of the unit.
1003.11.2 Doors. Doors shall not swing into the clear floor space or clearance for any fixture.
EXCEPTION: Where a clear floor space complying with Section 305.3 is provided within the room beyond the arc of the door swing.

1003.11.3 Overlap. Clear floor spaces, clearances at fixtures and turning spaces are permitted to overlap.
1003.11.4 Reinforcement. Reinforcement shall be provided for the future installation of grab bars and shower seats at water closets, bathtubs, and shower compartments. Where walls are located to permit the installation of grab bars and seats complying with Sections 604.5, 607.4, 608.1, and 608.4, reinforcement shall be provided for the future installation of grab bars and seats meeting those requirements.
EXCEPTION: Reinforcement is not required in a room containing only a lavatory and a water closet, provided the room does not contain the only lavatory water closet on the accessible level of the dwelling unit.

604.5 Grab Bars. Grab bars for water closets shall comply with Section 609 and shall be provided in accordance with Sections 604.5.1 and 604.5.2. Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.
EXCEPTIONS:
1. In Type A units, grab bars are not required to be installed where reinforcement complying with Section 1003.11.4 is installed for the future installation of grab bars.
604.5.1 Fixed Side Wall Grab Bars. Fixed side wall grab bars shall be 42 inches minimum in length, located 12 inches maximum from the rear wall and extending 54 inches minimum from the rear wall. In addition, a vertical grab bar 18 inches minimum in length shall be mounted with the bottom of the bar located between 39 inches and 41 inches above the floor, and with the center line of the bar located between 39 inches and 41 inches from the rear wall.

604.5.2 Rear Wall Grab Bar for Water Closet. Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.
EXCEPTIONS:
1. In Type A units, grab bars are not required to be installed where reinforcement complying with Section 1003.11.4 is installed for the future installation of grab bars.
604.5.1 Fixed Side Wall Grab Bars. Fixed side wall grab bars shall be 42 inches minimum in length, located 12 inches maximum from the rear wall and extending 54 inches minimum from the rear wall. In addition, a vertical grab bar 18 inches minimum in length shall be mounted with the bottom of the bar located between 39 inches and 41 inches above the floor, and with the center line of the bar located between 39 inches and 41 inches from the rear wall.

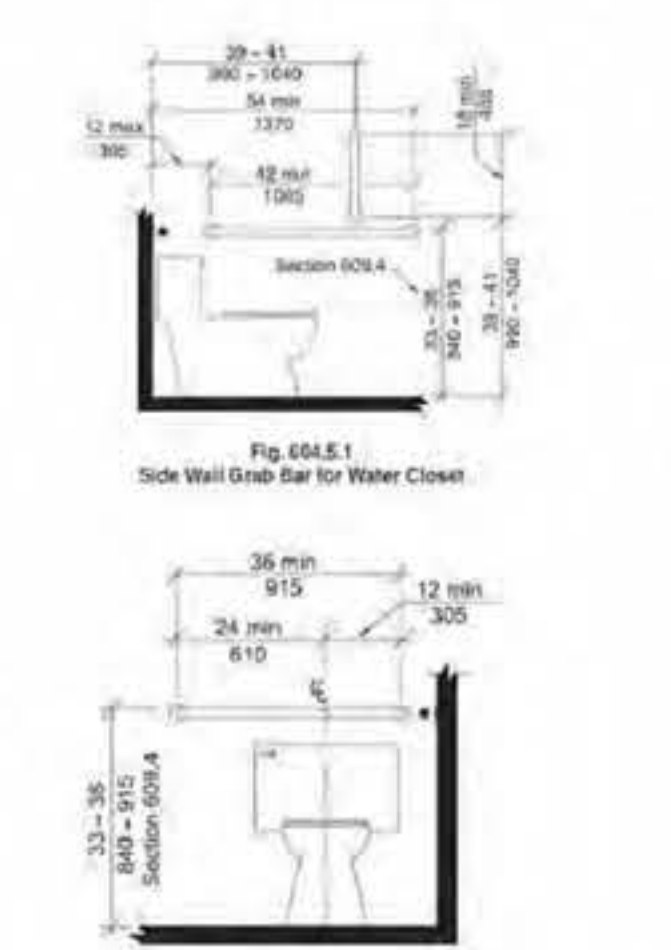


Fig. 604.5.2 Rear Wall Grab Bar for Water Closet

1003 Type A Units
1003.1 General. Type A units shall comply with Section 1003.
1003.2 Primary Entrance. The accessible primary entrance shall be on an accessible route from public and common areas. The primary entrance shall not be to a bedroom.
1003.3 Accessible Route. Accessible routes within Type A units shall comply with Section 1003.3.2.
1003.3.1 Location. At least one accessible route shall connect all spaces and elements that are a part of the unit. Where only one accessible route is provided, it shall not pass through bedrooms and toilet rooms, closets, or similar spaces.
1003.3.2 Clear Width. Clear width of an accessible route shall provide a turning space complying with Section 304.
1003.3.3 Components. Accessible routes shall consist of one or more of the following elements: walking surfaces with a slope not steeper than 1:20, ramps, elevators, and platform lifts.
1003.4 Walking Surfaces. Walking surfaces that are part of an accessible route shall comply with Section 403.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of a walking surface shall not be steeper than 1:48.
403.4 Changes in Level. Changes in level shall comply with Section 303.
403.5 Clear Width. Clear width of an accessible route shall comply with Table 403.5.

1003.5 Doors and Doorways. The primary entrance door to the unit, and all other doorways intended for user passage, shall comply with Section 404.
404.5.1 Clear Width at Turn. Where an accessible route makes a 180 degree turn around an object that is less than 48 inches in width, the clear width shall be 42 inches minimum approaching the turn, 48 inches minimum during the turn, and 42 inches minimum leaving the turn.
EXCEPTION: Section 403.5.1 shall not apply where the clear width at the turn is 60 inches minimum.
EXCEPTIONS:
1. Thresholds at exterior sliding doors shall be permitted to be 2 inches maximum in height, provided they are beveled with a slope not greater than 1:2.
2. In toilet rooms and bathrooms not required to comply with Section 1003.11, maneuvering clearances required by Section 404.2.3 are not required on the toilet room or bathroom side of the door.

1003.6 Ramps. Ramps shall comply with Section 403.5.
1003.9 Operable Parts. Lighting controls, electrical switches and receptacle outlets, environmental controls, appliance controls, operating hardware for operable windows, plumbing fixture controls, and user controls for security or intercom systems shall comply with Section 309.
EXCEPTIONS:
1. Receptacle outlets serving a dedicated use.
2. One receptacle outlet is not required to comply with Section 309 where all of the following conditions are met:
(a) the receptacle outlet is above a length of countertop that is uninterrupted by a sink or appliance;
(b) at least one receptacle outlet complying with Section 1003.9 is provided for that length of countertop; and
(c) all other receptacle outlets provided for that length of countertop comply with Section 1003.9.

3. Floor receptacle outlets.
4. HVAC diffusers.
5. Controls mounted on ceiling fans.
6. Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be accessible.
1003.10 Laundry Equipment. Washing machines and clothes dryers shall comply with Section 611.
1003.11 Toilet and Bathing Facilities.
1003.11.1 General. All toilet and bathing areas shall comply with Section 1003.11.9. At least one toilet and bathing facility shall comply with Section 1003.11.1. At least one lavatory, one water closet and either a bathtub or shower within the unit shall comply with Section 1003.11.1. The accessible toilet and bathing fixtures shall be in a single toilet/bathing area, such that travel between fixtures does not require travel through other parts of the unit.
1003.11.2 Doors. Doors shall not swing into the clear floor space or clearance for any fixture.
EXCEPTION: Where a clear floor space complying with Section 305.3 is provided within the room beyond the arc of the door swing.

1003.11.3 Overlap. Clear floor spaces, clearances at fixtures and turning spaces are permitted to overlap.
1003.11.4 Reinforcement. Reinforcement shall be provided for the future installation of grab bars and shower seats at water closets, bathtubs, and shower compartments. Where walls are located to permit the installation of grab bars and seats complying with Sections 604.5, 607.4, 608.1, and 608.4, reinforcement shall be provided for the future installation of grab bars and seats meeting those requirements.
EXCEPTION: Reinforcement is not required in a room containing only a lavatory and a water closet, provided the room does not contain the only lavatory water closet on the accessible level of the dwelling unit.

604.5 Grab Bars. Grab bars for water closets shall comply with Section 609 and shall be provided in accordance with Sections 604.5.1 and 604.5.2. Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.
EXCEPTIONS:
1. In Type A units, grab bars are not required to be installed where reinforcement complying with Section 1003.11.4 is installed for the future installation of grab bars.
604.5.1 Fixed Side Wall Grab Bars. Fixed side wall grab bars shall be 42 inches minimum in length, located 12 inches maximum from the rear wall and extending 54 inches minimum from the rear wall. In addition, a vertical grab bar 18 inches minimum in length shall be mounted with the bottom of the bar located between 39 inches and 41 inches above the floor, and with the center line of the bar located between 39 inches and 41 inches from the rear wall.

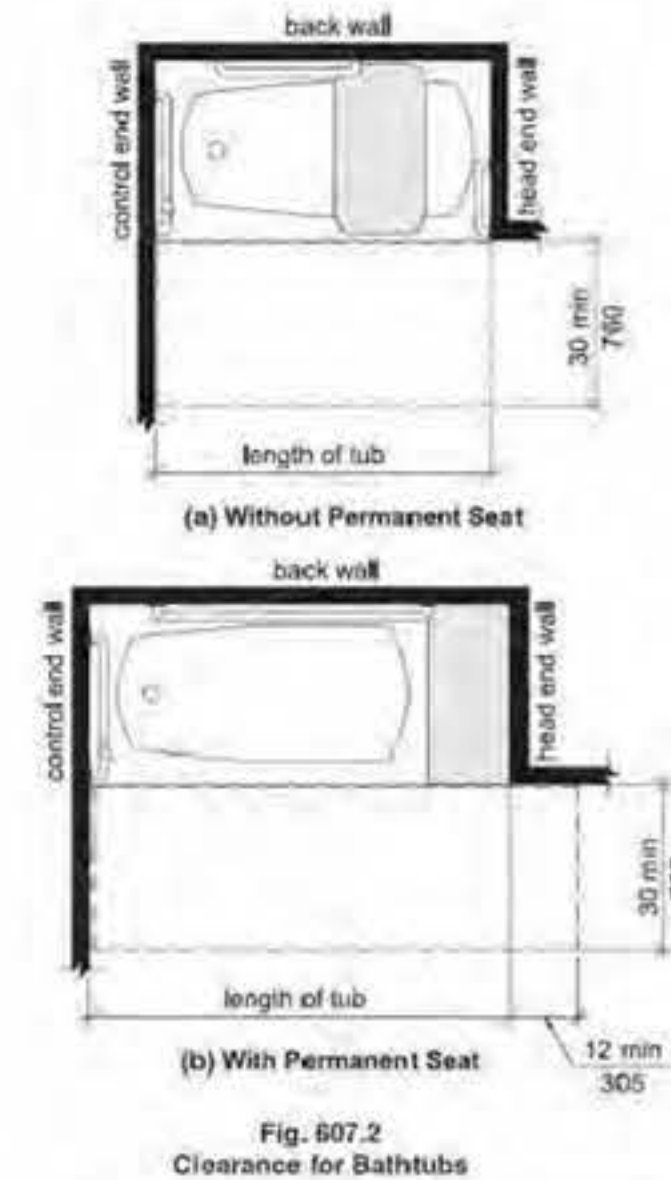


Fig. 607.2 Clearance for Bathtubs

608.3 Grab Bars. Grab bars shall comply with Section 609 and shall be provided in accordance with Section 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the floor.
EXCEPTIONS:
1. In Type A units, grab bars are not required to be installed where reinforcement complying with Section 1003.11.4 is installed for the future installation of grab bars.
608.3.1 Transfer-Type Showers. Grab bars for transfer type showers shall comply with Section 608.3.1.
608.3.1.1 Horizontal Grab Bars. Horizontal grab bars shall be provided across the control wall and on the back wall to a point 18 inches from the control wall.
608.3.1.2 Vertical Grab Bar. A vertical grab bar 18 inches minimum in length shall be provided on the control wall 3 inches minimum to 6 inches maximum above the horizontal grab bar, and 4 inches maximum inward from the front edge of the shower.
608.3.1.3 Grab Bar Configuration. Grab bars complying with Sections 608.3.1.1 and 608.3.1.2 shall be permitted to be separate bars, a single piece bar, or combination thereof.
608.4 Seats. A folding or nonfolding seat shall be provided in transfer-type shower compartments.

1003.11.5 Lavatories. Lavatories shall comply with Section 608.
EXCEPTION: Cabinetry shall be permitted under the lavatory, provided:
(a) the cabinetry can be removed without removal or replacement of the lavatory;
(b) the floor finish extends under such cabinetry; and
(c) the walls behind and surrounding cabinetry are finished.

608.1 General. Accessible lavatories and sinks shall comply with Section 608.
608.2 Clear Floor Space. A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.
2. The requirement for knee and toe clearance shall not apply to a lavatory in a toilet and bathing facility for a single occupant, accessed only through a private office and not for common use or public use.
3. A knee clearance of 24 inches minimum above the floor shall be permitted at lavatories and sinks used primarily by children ages 5 through 12 where the rim or counter surface is 31 inches maximum above the floor.
4. A parallel approach complying with Section 305 shall be permitted at lavatories and sinks used primarily by children ages 5 and younger.
5. The requirement for knee and toe clearance shall not apply to more than one bowl of a multi-bowl sink.
6. A parallel approach shall be permitted at:

608.3.1 Transfer-Type Shower Compartments. Transfer-type shower compartments shall be provided with a clear inside dimension of 36 inches in width and 36 inches in depth, measured at the center point of opposing sides. An entry 36 inches minimum in width shall be provided. A clearance of 48 inches minimum in length measured perpendicular from the control wall, and 36 inches minimum in width shall be provided adjacent to the open face of the compartment.
608.4 Faucets. Faucets shall comply with Section 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.
608.5 Lavatories with Enhanced Reach Range. Where enhanced reach range is required at lavatories, faucets and soap dispenser controls shall have a reach depth of 11 inches (280 mm) maximum or, if automatic, shall be actuated within a reach depth of 11 inches (280 mm) maximum. Water and soap flow shall be provided with a reach depth of 11 inches (280 mm) maximum.
EXCEPTION: In Type A and Type B units, reach range for lavatory faucets and soap dispensers is not required.
608.6 Exposed Pipes and Surfaces. Water supply and drainpipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.
608.7 Operable Parts. Operable parts on towel dispensers and hand dryers shall comply with Table 608.7.

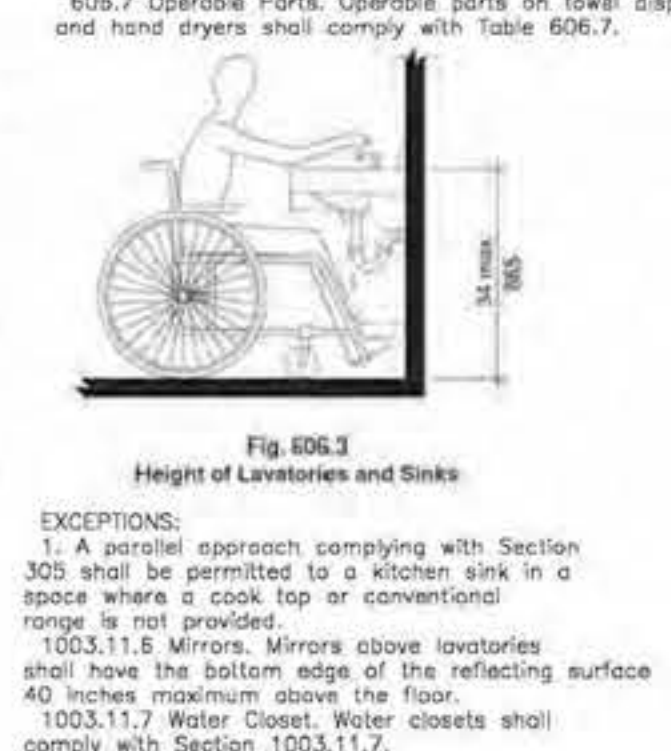


Fig. 608.2 Height of Lavatories and Sinks

1003.11.7.1 Location. The water closet shall be positioned with a wall to the rear and to one side. The centerline of the water closet shall be 18 inches (455 mm) minimum and 18 inches (455 mm) maximum from the side wall.
1003.11.7.2 Clearance. A clearance around the water closet of 60 inches minimum, measured perpendicular from the side wall, and 56 inches minimum, measured perpendicular from the rear wall, shall be provided.
1003.11.7.3 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, coat hooks, shelves, accessible routes, clear floor spaces, required at other fixtures, and the wheelchair turning space. No other fixtures or obstructions shall be located within the required water closet clearance.
EXCEPTION: A lavatory complying with Section 1003.11.5 shall be permitted on the rear wall 18 inches minimum from the centerline of the water closet where the clearance at the water closet is 66 inches minimum measured perpendicular from the rear wall.
1003.11.7.4 Height. The top of the water closet seat shall be 15 inches minimum and 18 inches maximum above the floor, measured to the top of the seat.
1003.11.7.5 Flush Controls. Hand operated flush controls shall comply with Section 1003.9. Flush controls shall be located on the open side of the water closet.
1003.11.8 Bathtubs. Bathtubs shall comply with Section 607.
EXCEPTIONS:
1. The removable in-tub seat required by Section 607.3 is not required.
2. Counter tops and cabinetry shall be permitted at the control end of the bathtub, provided such counter tops and cabinetry can be removed and the floor finish extends under such cabinetry.

607.4.1.2.2 Vertical Grab Bar. A vertical grab bar 18 inches minimum in length shall be provided on the control wall 3 inches minimum to 6 inches maximum above the horizontal grab bar, and 4 inches maximum inward from the front edge of the bathtub.
607.4.2 Bathtubs without Permanent Seats. For bathtubs without permanent seats, grab bars complying with Section 607.4.2 shall be provided.
607.4.2.1 Back Wall. Two horizontal grab bars shall be provided on the back wall, one complying with Section 609.4 and the other complying with Section 609.4. Each grab bar shall be 24 inches minimum in length, minimum and 24 inches maximum from the head end wall and extend to 12 inches maximum from the control wall.
607.4.2.2 Control End Wall. Control end wall grab bars shall comply with Section 607.4.2.2.
EXCEPTION: An L-shaped continuous grab bar of equivalent dimensions and positioning shall be permitted to serve the function of separate vertical and horizontal grab bars.
607.4.2.2.1 Horizontal Grab Bar. A horizontal grab bar 24 inches minimum in length shall be provided on the control end wall beginning near the front edge of the tub and extend toward the inside corner of the bathtub.
607.4.2.2.2 Vertical Grab Bar. A vertical grab bar 18 inches minimum in length shall be provided on the control end wall 3 inches minimum to 6 inches maximum above the horizontal grab bar, and 4 inches maximum inward from the front edge of the bathtub.
607.4.2.3 Head End Wall. A horizontal grab bar 12 inches minimum in length shall be provided on the head end wall at the front edge of the bathtub.
607.5 Controls. Controls, other than drain stoppers, shall be provided on an end wall, located between the bathtub rim and grab bar, and between the open side of the bathtub and the midpoint of the width of the bathtub.
EXCEPTION: Controls shall be provided with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
607.5 Hand Shower. A hand shower with a hose 9 inches minimum in length, that can be used on both fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a nonpositive shut-off feature. An adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars.
607.6 Bathtubs Enclosures. Enclosures for bathtubs shall not obstruct controls or transfer from wheelchair onto bathtub seats or into bathtub. Enclosures on bathtubs shall not have tracks installed on the rim of the bathtub.
607.8 Water Temperature. Bathtubs shall deliver water that is 120 degrees F maximum.

1003.11.9 Showers. Showers shall comply with Section 608.
EXCEPTION: Counter tops and cabinetry shall be permitted at the control end of the shower, provided such counter tops and cabinetry can be removed and the floor finish extends under such cabinetry.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.6.2 Clear Floor Space. A clear floor space, positioned for a parallel or forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.
1003.12.6.3 Dishwasher. A clear floor space, positioned adjacent to the dishwasher door, shall be provided. The dishwasher door in the open position shall not obstruct the clear floor space for the dishwasher or an adjacent sink.
1003.12.6.4 Range or Cooktop. A clear floor space, positioned for a parallel or forward approach to the space for a range or cooktop, shall be provided. Where the clear floor space is positioned for a parallel or forward approach, knee and toe clearance complying with Section 306 shall be provided. Where knee and toe space is provided, the underside of the range or cooktop shall be insulated or otherwise configured to protect from burns, abrasions, or electrical shock. The location of controls shall not require reaching across burners.
1003.12.6.5 Oven. Ovens shall comply with Section 1003.12.6.5. Ovens shall have controls on front panels, on either side of the door.
1003.12.6.5.1 Side-Hinged Door. Side-hinged door ovens shall have a countertop positioned adjacent to the latch side of the oven door.
1003.12.6.5.2 Bottom-Hinged Door. Bottom-hinged door ovens shall have a countertop positioned adjacent to one side of the door.



Fig. 608.2.1 Transfer-Type Shower Compartment Size and Clearance

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.



Fig. 1003.12.4 Kitchen Sink for Type A Units

305 Clear Floor Space
305.1 General. A clear floor space shall comply with Section 305.
305.2 Floor Surfaces. Floor surfaces of a clear floor space shall have a slope not steeper than 1:48 and shall comply with Section 302.
305.3 Size. The clear floor space shall be 48 inches (1220 mm) minimum in length and 30 inches (760 mm) minimum in width.
48 min
1220

305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor space shall be permitted to include knee and toe clearance complying with Section 306.
305.5 Position. Unless otherwise specified, the clear floor space shall be positioned for either forward or parallel approach to an element.
305.6 Approach. One full, unobstructed side of the clear floor space shall be provided for an accessible route or design another clear floor space.
305.7 Alcoves. If a clear floor space is in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances complying with Sections 305.7.1 and 305.7.2 shall be provided, as applicable.
1004.12.2.1 Sink. A clear floor space, positioned for a parallel approach to the sink, shall be provided. The clear floor space shall be centered on the sink bowl.
EXCEPTION: Sinks complying with Section 306 shall be permitted to have a clear floor space positioned for a parallel or forward approach.
609 Lavatories and Sinks
609.1 General. Accessible lavatories and sinks shall comply with Section 608.
609.2 Clear Floor Space. A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.
EXCEPTIONS:
1. A parallel approach complying with Section 305 shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided.
1004.12.2.2 Dishwasher. A clear floor space, positioned for a parallel or forward approach to the dishwasher, shall be provided. The clear floor space shall be positioned beyond the swing of the dishwasher door. Dishwasher door is 23-24 inches.
1004.12.2.3 Cooktop. A clear floor space, positioned for a parallel or forward approach to the cooktop, shall be provided. The centerline of the clear floor space shall align with the centerline of the cooktop. Where the clear floor space is positioned for a forward approach, knee and toe clearance complying with Section 306 shall be provided. Where knee and toe space is provided, the underside of the range or cooktop shall be insulated or otherwise configured to prevent burns, abrasions, or electrical shock.
1004.12.2.4 Oven. A clear floor space, positioned for a parallel or forward approach to the oven, shall be provided.
1004.12.2.5 Refrigerator/Freezer. A clear floor space, positioned for a parallel or forward approach to the refrigerator/freezer shall be provided.
1004.12.2.6 Trash Compactor. A clear floor space, positioned for a parallel or forward approach to the trash compactor, shall be provided.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

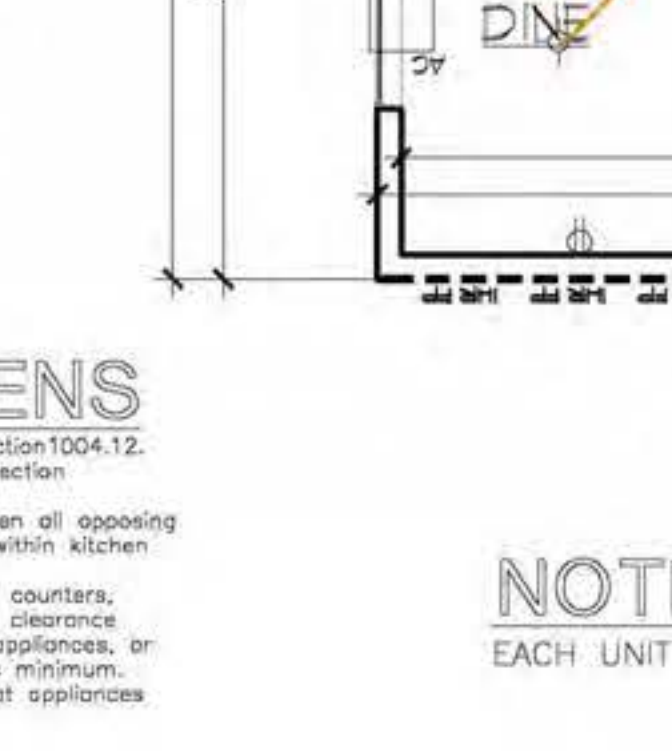


Fig. 1003.12.4 Kitchen Sink for Type A Units

305 Clear Floor Space
305.1 General. A clear floor space shall comply with Section 305.
305.2 Floor Surfaces. Floor surfaces of a clear floor space shall have a slope not steeper than 1:48 and shall comply with Section 302.
305.3 Size. The clear floor space shall be 48 inches (1220 mm) minimum in length and 30 inches (760 mm) minimum in width.
48 min
1220

305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor space shall be permitted to include knee and toe clearance complying with Section 306.
305.5 Position. Unless otherwise specified, the clear floor space shall be positioned for either forward or parallel approach to an element.
305.6 Approach. One full, unobstructed side of the clear floor space shall be provided for an accessible route or design another clear floor space.
305.7 Alcoves. If a clear floor space is in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances complying with Sections 305.7.1 and 305.7.2 shall be provided, as applicable.
1004.12.2.1 Sink. A clear floor space, positioned for a parallel approach to the sink, shall be provided. The clear floor space shall be centered on the sink bowl.
EXCEPTION: Sinks complying with Section 306 shall be permitted to have a clear floor space positioned for a parallel or forward approach.
609 Lavatories and Sinks
609.1 General. Accessible lavatories and sinks shall comply with Section 608.
609.2 Clear Floor Space. A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.
EXCEPTIONS:
1. A parallel approach complying with Section 305 shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided.
1004.12.2.2 Dishwasher. A clear floor space, positioned for a parallel or forward approach to the dishwasher, shall be provided. The clear floor space shall be positioned beyond the swing of the dishwasher door. Dishwasher door is 23-24 inches.
1004.12.2.3 Cooktop. A clear floor space, positioned for a parallel or forward approach to the cooktop, shall be provided. The centerline of the clear floor space shall align with the centerline of the cooktop. Where the clear floor space is positioned for a forward approach, knee and toe clearance complying with Section 306 shall be provided. Where knee and toe space is provided, the underside of the range or cooktop shall be insulated or otherwise configured to prevent burns, abrasions, or electrical shock.
1004.12.2.4 Oven. A clear floor space, positioned for a parallel or forward approach to the oven, shall be provided.
1004.12.2.5 Refrigerator/Freezer. A clear floor space, positioned for a parallel or forward approach to the refrigerator/freezer shall be provided.
1004.12.2.6 Trash Compactor. A clear floor space, positioned for a parallel or forward approach to the trash compactor, shall be provided.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the kitchen cabinets, shall be provided.
1003.12.6 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.6.
1003.12.6.1 Operable Parts. All appliance controls shall comply with Section 1003.9.
EXCEPTIONS:
1. Appliance doors and door latching devices shall not be required to comply with Section 1003.9.
2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 309.
309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.
EXCEPTION: Gas pumps shall not be required to provide operable parts that have an activating force of 5.0 pounds maximum.

1003.12.3 Kitchen Storage. A clear floor space shall be provided for a parallel or forward approach to the